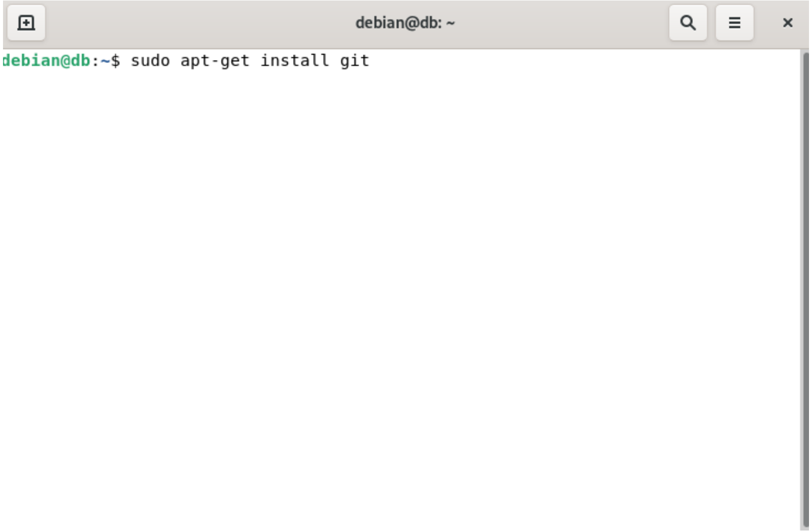
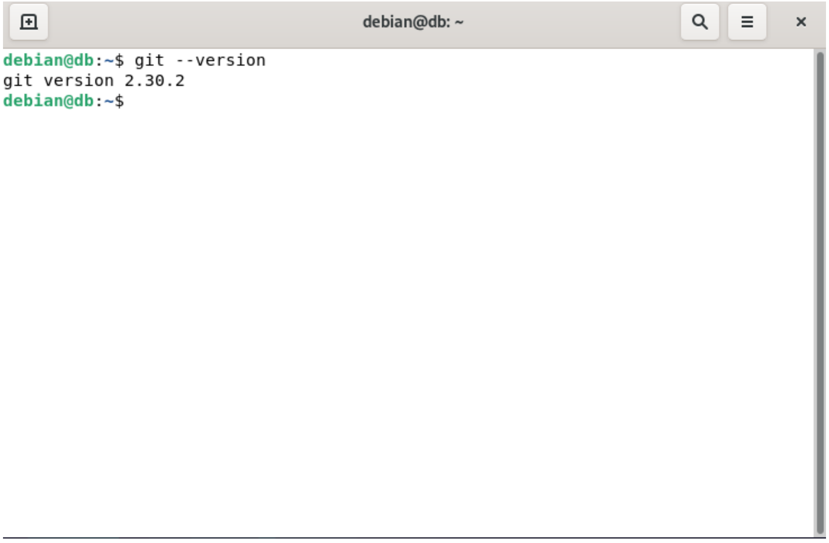
1) Git Kurulumu

1.1) Oncelikle Git'i kuralim. Sudo apt-get install git komutu ile Git'i kurabiliriz.



```
debian@db:~$ sudo apt-get install git
```

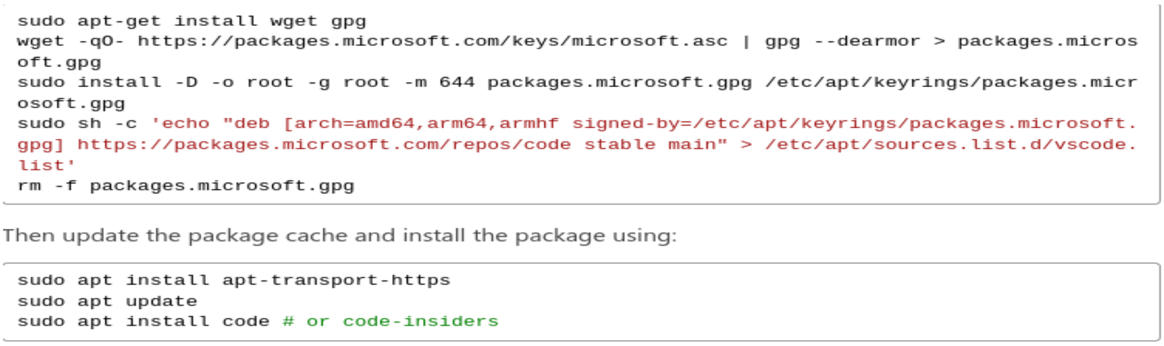
1.2) git –version komutu ile Git versiyonumuzu ogrenelim.



```
debian@db:~$ git --version
git version 2.30.2
debian@db:~$
```

2) VSCode Kurulumu

2.1) Ekran goruntusundeki Kodlari teker teker terminalimize yaziyoruz ve paketleri indiriyoruz.

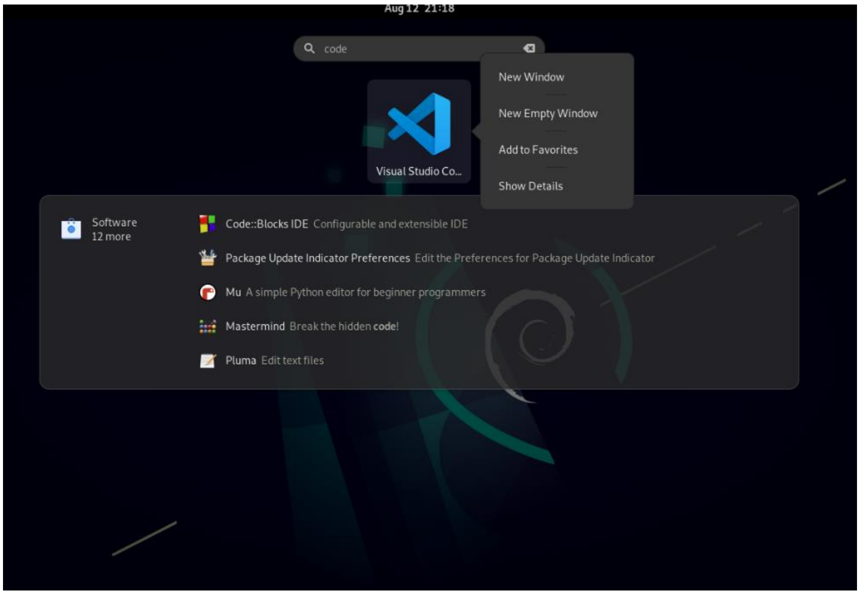


```
sudo apt-get install wget gpg
wget -qO- https://packages.microsoft.com/keys/microsoft.asc | gpg --dearmor > packages.micros
oft.gpg
sudo install -D -o root -g root -m 644 packages.microsoft.gpg /etc/apt/keyrings/packages.micr
osoft.gpg
sudo sh -c 'echo "deb [arch=amd64,arm64,armhf signed-by=/etc/apt/keyrings/packages.microsoft.
gpg] https://packages.microsoft.com/repos/code stable main" > /etc/apt/sources.list.d/vscode.
list'
rm -f packages.microsoft.gpg
```

Then update the package cache and install the package using:

```
sudo apt install apt-transport-https
sudo apt update
sudo apt install code # or code-insiders
```

2.2) Applications kismindan arama cubuguna Code yazdiktan sonra VSCode'u favoriler kismimiza ekliyoruz.



Code::Blocks IDE Configurable and extensible IDE

Package Update Indicator Preferences Edit the Preferences for Package Update Indicator

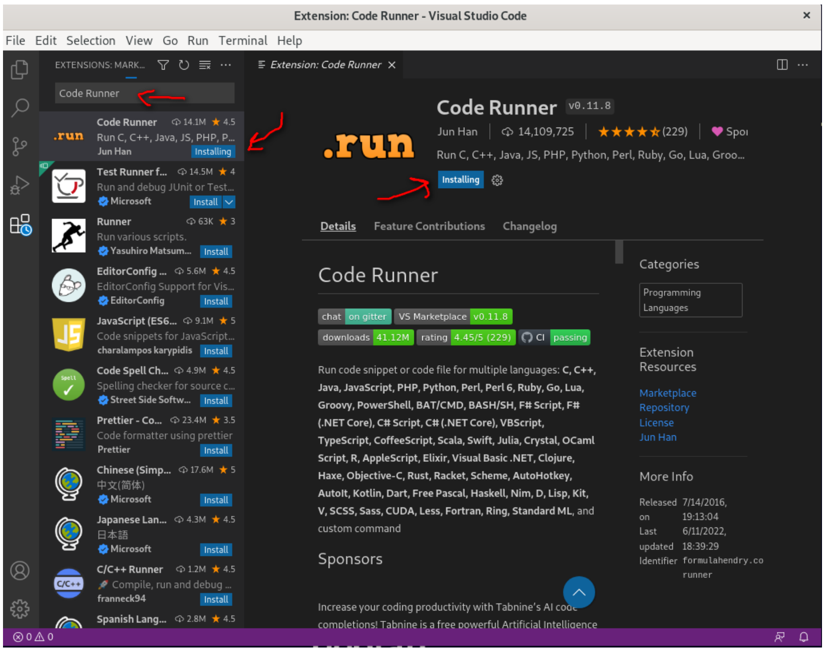
Mu A simple Python editor for beginner programmers

Mastermind Break the hidden code!

Pluma Edit text files

3) VSCode Eklentileri Kurulur

3.1) Coderunner eklentisi ile kodlarimizi kolay bir sekilde calistirabiliriz. VSCode'da Extensions kismindan bu eklenti indirilir.



Code Runner 14.1M ★ 4.5
Run C, C++, Java, JS, PHP, P...
Jun Han Installing

Test Runner f... 14.5M ★ 4
Run and debug JUnit or Test...
Microsoft Install

Runner 63K ★ 3
Run various scripts.
Yasuhiro Matsum... Install

EditorConfig ... 5.6M ★ 4.5
EditorConfig Support for Vis...
EditorConfig Install

JavaScript (ES6... 9.1M ★ 5
Code snippets for JavaScript...
charalampos karypidis Install

Code Spell Ch... 4.9M ★ 4.5
Spelling checker for source c...
Street Side Softw... Install

Prettier - Co... 23.4M ★ 3.5
Code formatter using prettier
Prettier Install

Chinese (Simp... 17.6M ★ 5
中文(简体)
Microsoft Install

Japanese Lan... 4.3M ★ 4.5
日本語
Microsoft Install

C/C++ Runner 1.2M ★ 4.5
Compile, run and debug ...
franneck94 Install

Spanish Lang... 2.8M ★ 4.5

Code Runner v0.11.8

Jun Han | 14,109,725 | ★★★★☆(229) | Spo

Run C, C++, Java, JS, PHP, Python, Perl, Ruby, Go, Lua, Groo...

Code Runner

Run code snippet or code file for multiple languages: **C, C++, Java, JavaScript, PHP, Python, Perl, Perl 6, Ruby, Go, Lua, Groovy, PowerShell, BAT/CMD, BASH/SH, F# Script, F# (.NET Core), C# Script, C# (.NET Core), VBScript, TypeScript, CoffeeScript, Scala, Swift, Julia, Crystal, OCaml Script, R, AppleScript, Elixir, Visual Basic .NET, Clojure, Haxe, Objective-C, Rust, Racket, Scheme, AutoHotkey, AutoIt, Kotlin, Dart, Free Pascal, Haskell, Nim, D, Lisp, Kit, V, SCSS, Sass, CUDA, Less, Fortran, Ring, Standard ML**, and custom command

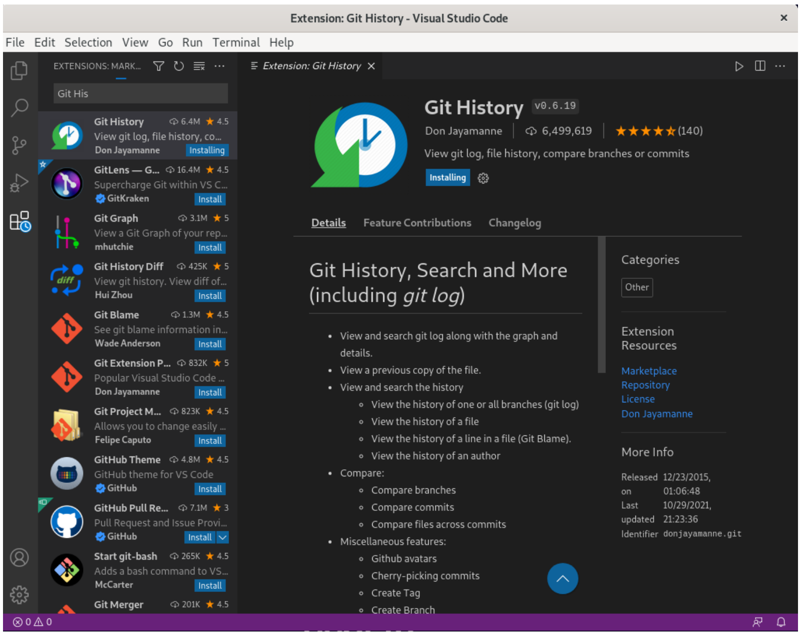
Sponsors

Increase your coding productivity with Tabnine's AI code completions! Tabnine is a free powerful Artificial Intelligence

More Info

Released on	7/14/2016, 19:13:04
Last updated	6/11/2022, 18:39:29
Identifier	formulahendry.code-runner

3.2) Git history eklentisi git uygulamalarindaki detaylara erismemizi saglar.


Extension: Git History - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXTENSIONS: MARK...
Git His
Git History 6.4M ★ 4.5 View git log, file history, co... Don Jayamanne Installing
GitLens — G... 16.4M ★ 4.5 Supercharge Git within VS C... GitKraken Install
Git Graph 3.1M ★ 5 View a Git Graph of your rep... mhutchie Install
Git History Diff 425K ★ 5 View git history. View diff of... Hui Zhou Install
Git Blame 1.3M ★ 4.5 See git blame information in... Wade Anderson Install
Git Extension P... 832K ★ 5 Popular Visual Studio Code ... Don Jayamanne Install
Git Project M... 823K ★ 4.5 Allows you to change easily ... Felipe Caputo Install
GitHub Theme 4.8M ★ 4.5 GitHub theme for VS Code GitHub Install
GitHub Pull Re... 7.1M ★ 3 Pull Request and Issue Provi... GitHub Install
Start git-bash 265K ★ 4.5 Adds a bash command to VS... McCarter Install
Git Merger 201K ★ 4.5
Extension: Git History
⊗ 0 ⚠ 0

Git History v0.6.19

Don Jayamanne | 6,499,619 | ★★★★★ (140)

View git log, file history, compare branches or commits

Installing

Details Feature Contributions Changelog

Git History, Search and More (including *git log*)

- View and search git log along with the graph and details.
- View a previous copy of the file.
- View and search the history
  - View the history of one or all branches (git log)
  - View the history of a file
  - View the history of a line in a file (Git Blame).
  - View the history of an author
- Compare:
  - Compare branches
  - Compare commits
  - Compare files across commits
- Miscellaneous features:
  - Github avatars
  - Cherry-picking commits
  - Create Tag
  - Create Branch

Categories

Other

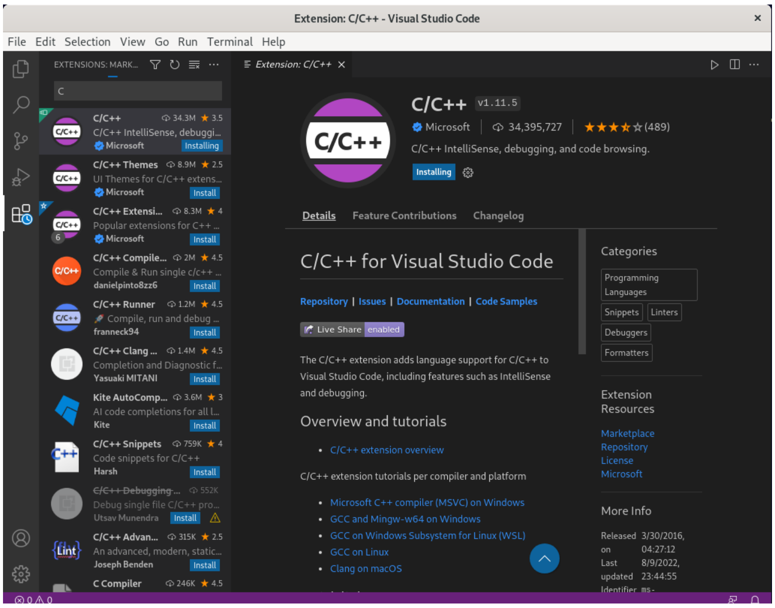
Extension Resources

Marketplace
Repository
License
Don Jayamanne

More Info

Released on	12/23/2015, 01:06:48
Last updated	10/29/2021, 21:23:36
Identifier	donjayamanne.git

3.3) C/C++ ve C/C++ Extensions pack eklentilerini kuralim.


Extension: C/C++ - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXTENSIONS: MARK...
c
C/C++ 34.3M ★ 3.5 C/C++ IntelliSense, debuggi... Microsoft Installing
C/C++ Themes 8.9M ★ 2.5 UI Themes for C/C++ extens... Microsoft Install
C/C++ Extensi... 8.3M ★ 4 Popular extensions for C++ ... Microsoft Install
C/C++ Compile... 2M ★ 4.5 Compile & Run single c/c++ ... danielpinto8zz6 Install
C/C++ Runner 1.2M ★ 4.5 Compile, run and debug ... franneck94 Install
C/C++ Clang ... 1.4M ★ 4.5 Completion and Diagnostic f... Yasuaki MITANI Install
Kite AutoComp... 3.6M ★ 3 AI code completions for all l... Kite Install
C/C++ Snippets 759K ★ 4 Code snippets for C/C++ Harsh Install
C/C++ Debugging ... 552K Debug single file C/C++ pro... Utsav Munendra Install
C/C++ Advan... 315K ★ 2.5 An advanced, modern, static... Joseph Benden Install
C Compiler 246K ★ 4.5
Extension: C/C++
⊗ 0 ⚠ 0

C/C++ v1.11.5

Microsoft | 34,395,727 | ★★★★☆ (489)

C/C++ IntelliSense, debugging, and code browsing.

Installing

Details Feature Contributions Changelog

C/C++ for Visual Studio Code

Repository | Issues | Documentation | Code Samples

Live Share enabled

The C/C++ extension adds language support for C/C++ to Visual Studio Code, including features such as IntelliSense and debugging.

Overview and tutorials

- C/C++ extension overview

C/C++ extension tutorials per compiler and platform

- Microsoft C++ compiler (MSVC) on Windows
- GCC and Mingw-w64 on Windows
- GCC on Windows Subsystem for Linux (WSL)
- GCC on Linux
- Clang on macOS

Categories

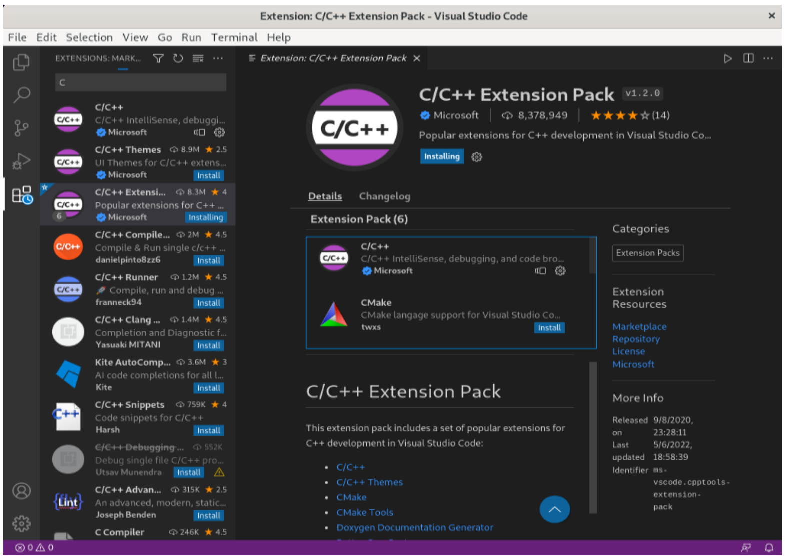
Programming Languages
Snippets
Linters
Debuggers
Formatters

Extension Resources

Marketplace
Repository
License
Microsoft

More Info

Released on	3/30/2016, 04:27:12
Last updated	8/9/2022, 23:44:55
Identifier	ms-


Extension: C/C++ Extension Pack - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXTENSIONS: MARK...
c
C/C++ C/C++ IntelliSense, debuggi... Microsoft
C/C++ Themes 8.9M ★ 2.5 UI Themes for C/C++ extens... Microsoft Install
C/C++ Extensi... 8.3M ★ 4 Popular extensions for C++ ... Microsoft Installing
C/C++ Compile... 2M ★ 4.5 Compile & Run single c/c++ ... danielpinto8zz6 Install
C/C++ Runner 1.2M ★ 4.5 Compile, run and debug ... franneck94 Install
C/C++ Clang ... 1.4M ★ 4.5 Completion and Diagnostic f... Yasuaki MITANI Install
Kite AutoComp... 3.6M ★ 3 AI code completions for all l... Kite Install
C/C++ Snippets 759K ★ 4 Code snippets for C/C++ Harsh Install
C/C++ Debugging ... 552K Debug single file C/C++ pro... Utsav Munendra Install
C/C++ Advan... 315K ★ 2.5 An advanced, modern, static... Joseph Benden Install
C Compiler 246K ★ 4.5
Extension: C/C++ Extension Pack
⊗ 0 ⚠ 0

C/C++ Extension Pack v1.2.0

Microsoft | 8,378,949 | ★★★★☆ (14)

Popular extensions for C++ development in Visual Studio Co...

Installing

Details Changelog

Extension Pack (6)

C/C++ — C/C++ IntelliSense, debugging, and code bro... — Microsoft

CMake — CMake langage support for Visual Studio Co... — twxs — Install

C/C++ Extension Pack

This extension pack includes a set of popular extensions for C++ development in Visual Studio Code:

- C/C++
- C/C++ Themes
- CMake
- CMake Tools
- Doxygen Documentation Generator

Categories

Extension Packs

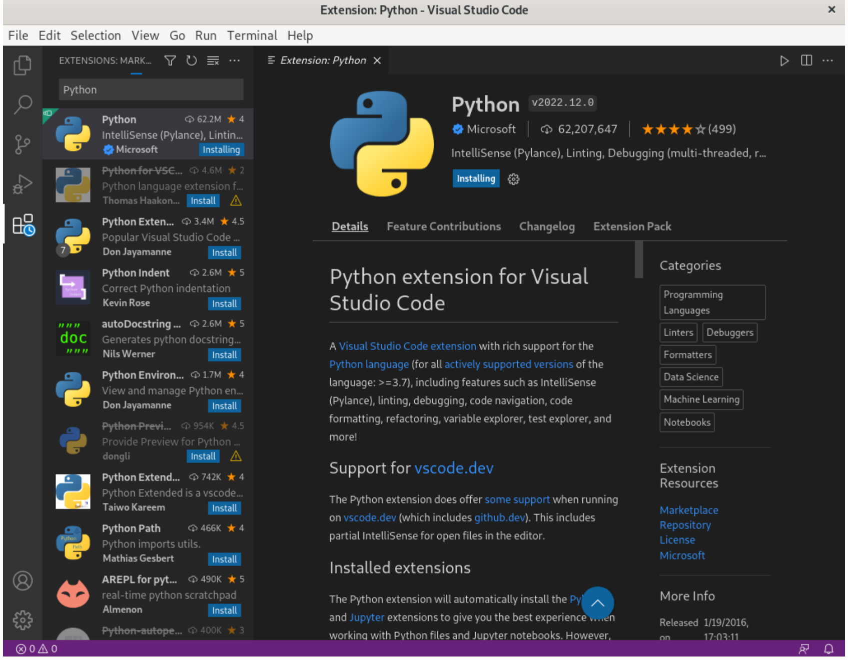
Extension Resources

Marketplace
Repository
License
Microsoft

More Info

Released on	9/8/2020, 23:28:11
Last updated	5/6/2022, 18:58:39
Identifier	ms-vscode.cpptools-extension-pack

3.4) Python ve Python Extensions pack eklentilerini kuralim.


Extension: Python - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXTENSIONS: MARK...
Python
Python 62.2M ★4 IntelliSense (Pylance), Lintin... Microsoft Installing
Python for VSC... 4.6M ★2 Python language extension f... Thomas Haakon... Install
Python Exten... 3.4M ★4.5 Popular Visual Studio Code ... Don Jayamanne Install
Python Indent 2.6M ★5 Correct Python indentation Kevin Rose Install
autoDocstring ... 2.6M ★5 Generates python docstring... Nils Werner Install
Python Environ... 1.7M ★4 View and manage Python en... Don Jayamanne Install
Python Previ... 954K ★4.5 Provide Preview for Python ... dongli Install
Python Extend... 742K ★4 Python Extended is a vscode... Taiwo Kareem Install
Python Path 466K ★4 Python imports utils. Mathias Gesbert Install
AREPL for pyt... 490K ★5 real-time python scratchpad Almenon Install
Python-autope... 400K ★3
Extension: Python
Python v2022.12.0
Microsoft | 62,207,647 | ★★★★☆(499)
IntelliSense (Pylance), Linting, Debugging (multi-threaded, r...
Installing
Details Feature Contributions Changelog Extension Pack
Categories
Programming Languages
Linters
Debuggers
Formatters
Data Science
Machine Learning
Notebooks
Extension Resources
Marketplace
Repository
License
Microsoft
More Info
Released on 1/19/2016, 17:03:11
⊗0 ⚠0

Python extension for Visual Studio Code

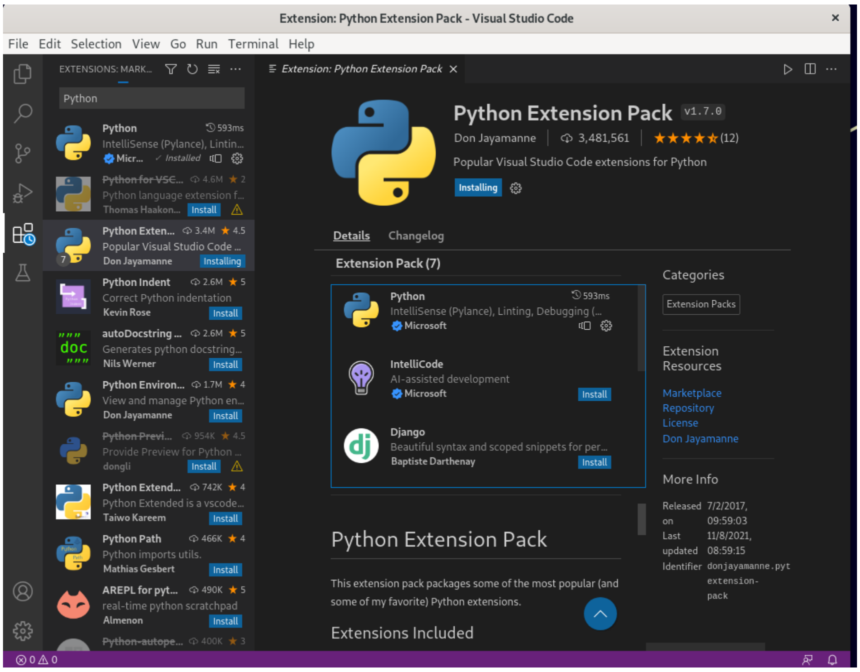
A Visual Studio Code extension with rich support for the Python language (for all actively supported versions of the language: >=3.7), including features such as IntelliSense (Pylance), linting, debugging, code navigation, code formatting, refactoring, variable explorer, test explorer, and more!

Support for vscode.dev

The Python extension does offer some support when running on vscode.dev (which includes github.dev). This includes partial IntelliSense for open files in the editor.

Installed extensions

The Python extension will automatically install the Py and Jupyter extensions to give you the best experience when working with Python files and Jupyter notebooks. However,

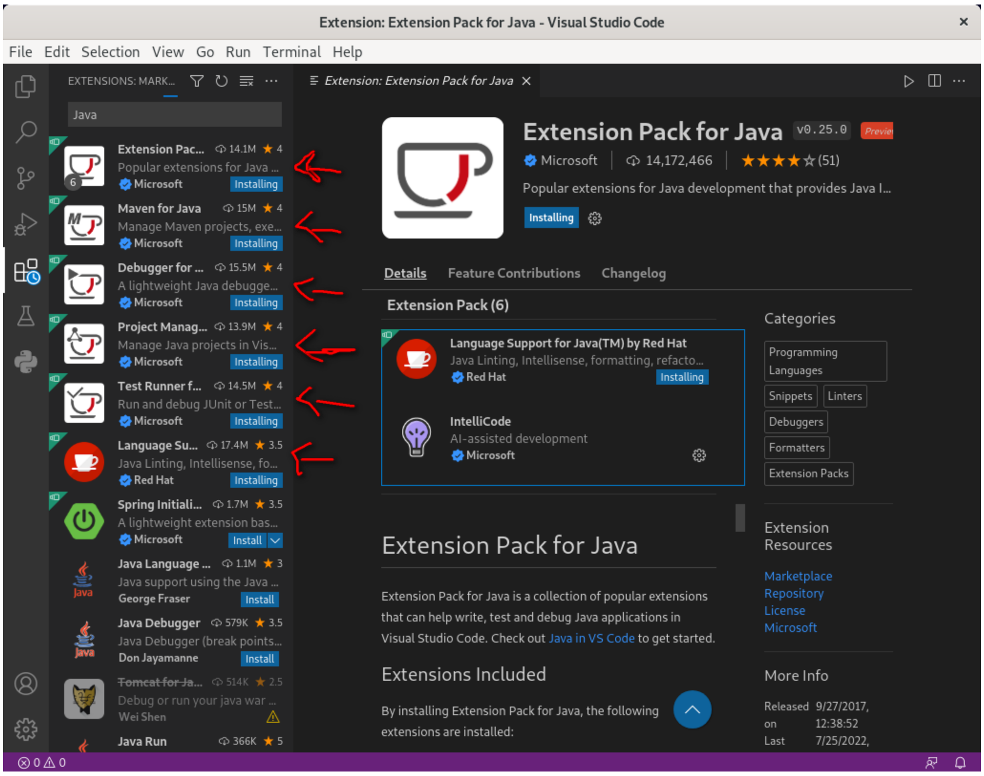

Extension: Python Extension Pack - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXTENSIONS: MARK...
Python
Python 593ms IntelliSense (Pylance), Lintin... Micr... Installed
Python for VSC... 4.6M ★2 Python language extension f... Thomas Haakon... Install
Python Exten... 3.4M ★4.5 Popular Visual Studio Code ... Don Jayamanne Installing
Python Indent 2.6M ★5 Correct Python indentation Kevin Rose Install
autoDocstring ... 2.6M ★5 Generates python docstring... Nils Werner Install
Python Environ... 1.7M ★4 View and manage Python en... Don Jayamanne Install
Python Previ... 954K ★4.5 Provide Preview for Python ... dongli Install
Python Extend... 742K ★4 Python Extended is a vscode... Taiwo Kareem Install
Python Path 466K ★4 Python imports utils. Mathias Gesbert Install
AREPL for pyt... 490K ★5 real-time python scratchpad Almenon Install
Python-autope... 400K ★3
Extension: Python Extension Pack
Python Extension Pack v1.7.0
Don Jayamanne | 3,481,561 | ★★★★★(12)
Popular Visual Studio Code extensions for Python
Installing
Details Changelog
Extension Pack (7)
Python 593ms IntelliSense (Pylance), Linting, Debugging (... Microsoft
IntelliCode AI-assisted development Microsoft Install
Django Beautiful syntax and scoped snippets for per... Baptiste Darthenay Install
Categories
Extension Packs
Extension Resources
Marketplace
Repository
License
Don Jayamanne
More Info
Released on 7/2/2017, 09:59:03
Last updated 11/8/2021, 08:59:15
Identifier donjayamanne.pyt extension-pack
⊗0 ⚠0

Python Extension Pack

This extension pack packages some of the most popular (and some of my favorite) Python extensions.

Extensions Included

3.5) Java kullanımı için Language Support for Java(TM) by Red Hat, Debugger for Java, Extension Pack for Java, Maven for Java ve Test Runner for Java eklentileri kurulur.


Extension: Extension Pack for Java - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXTENSIONS: MARK...
Java
Extension: Extension Pack for Java
Details
Feature Contributions
Changelog
Installing

Extension Pac... 14.1M ★ 4
Popular extensions for Java ...
Microsoft Installing

Maven for Java 15M ★ 4
Manage Maven projects, exe...
Microsoft Installing

Debugger for ... 15.5M ★ 4
A lightweight Java debugge...
Microsoft Installing

Project Manag... 13.9M ★ 4
Manage Java projects in Vis...
Microsoft Installing

Test Runner f... 14.5M ★ 4
Run and debug JUnit or Test...
Microsoft Installing

Language Su... 17.4M ★ 3.5
Java Linting, Intellisense, fo...
Red Hat Installing

Spring Initiali... 1.7M ★ 3.5
A lightweight extension bas...
Microsoft Install

Java Language ... 1.1M ★ 3
Java support using the Java ...
George Fraser Install

Java Debugger 579K ★ 3.5
Java Debugger (break points...
Don Jayamanne Install

~~Tomcat for Ja...~~ 514K ★ 2.5
Debug or run your java war ...
Wei Shen

Java Run 366K ★ 5

Extension Pack for Java v0.25.0 Preview
Microsoft | 14,172,466 | ★★★★☆ (51)
Popular extensions for Java development that provides Java I...

Extension Pack (6)

Language Support for Java(TM) by Red Hat
Java Linting, Intellisense, formatting, refacto...
Red Hat Installing

IntelliCode
AI-assisted development
Microsoft

Extension Pack for Java

Extension Pack for Java is a collection of popular extensions that can help write, test and debug Java applications in Visual Studio Code. Check out Java in VS Code to get started.

Extensions Included

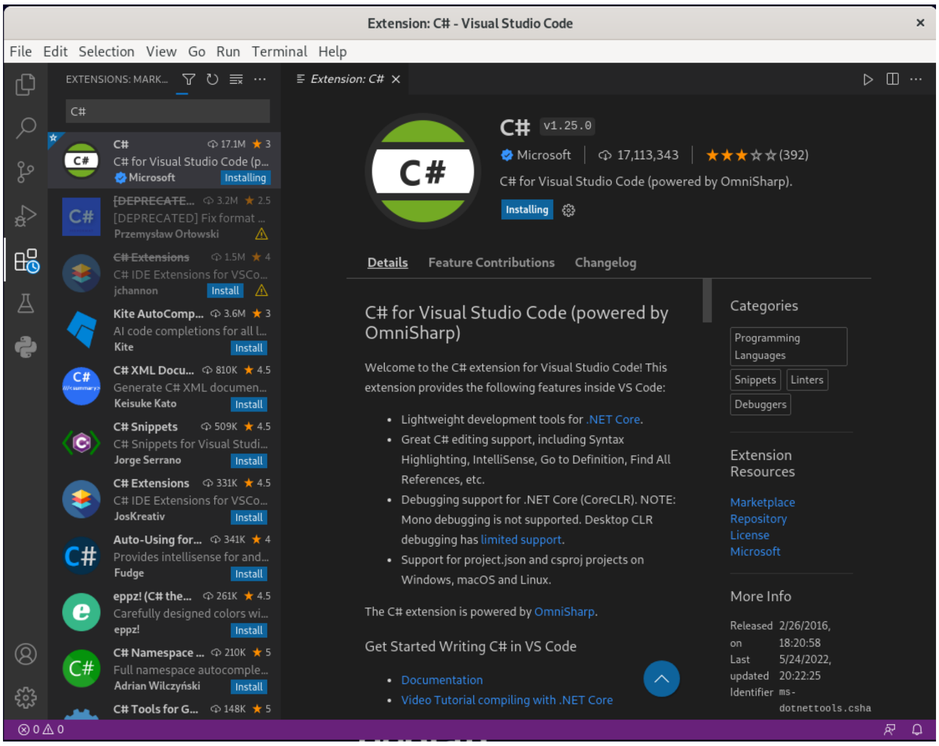
By installing Extension Pack for Java, the following extensions are installed:

Categories
Programming Languages
Snippets
Linters
Debuggers
Formatters
Extension Packs

Extension Resources
Marketplace
Repository
License
Microsoft

More Info
Released on 9/27/2017, 12:38:52
Last 7/25/2022,

3.6) C# Eklentisi indirilir.



C# 17.1M ★ 3
C# for Visual Studio Code (p...
Microsoft Installing

~~[DEPRECATE...~~ 3.2M ★ 2.5
[DEPRECATED] Fix format ...
Przemysław Orłowski

~~C# Extensions~~ 1.5M ★ 4
C# IDE Extensions for VSCo...
jchannon Install

Kite AutoComp... 3.6M ★ 3
AI code completions for all l...
Kite Install

C# XML Docu... 810K ★ 4.5
Generate C# XML documen...
Keisuke Kato Install

C# Snippets 509K ★ 4.5
C# Snippets for Visual Studi...
Jorge Serrano Install

C# Extensions 331K ★ 4.5
C# IDE Extensions for VSCo...
JosKreativ Install

Auto-Using for... 341K ★ 4
Provides intellisense for and...
Fudge Install

eppz! (C# the... 261K ★ 4.5
Carefully designed colors wi...
eppz! Install

C# Namespace ... 210K ★ 5
Full namespace autocomple...
Adrian Wilczyński Install

C# Tools for G... 148K ★ 5

C# v1.25.0
Microsoft | 17,113,343 | ★★★☆☆ (392)
C# for Visual Studio Code (powered by OmniSharp).

C# for Visual Studio Code (powered by OmniSharp)

Welcome to the C# extension for Visual Studio Code! This extension provides the following features inside VS Code:

- Lightweight development tools for .NET Core.
- Great C# editing support, including Syntax Highlighting, IntelliSense, Go to Definition, Find All References, etc.
- Debugging support for .NET Core (CoreCLR). NOTE: Mono debugging is not supported. Desktop CLR debugging has limited support.
- Support for project.json and csproj projects on Windows, macOS and Linux.

The C# extension is powered by OmniSharp.

Get Started Writing C# in VS Code

- Documentation
- Video Tutorial compiling with .NET Core

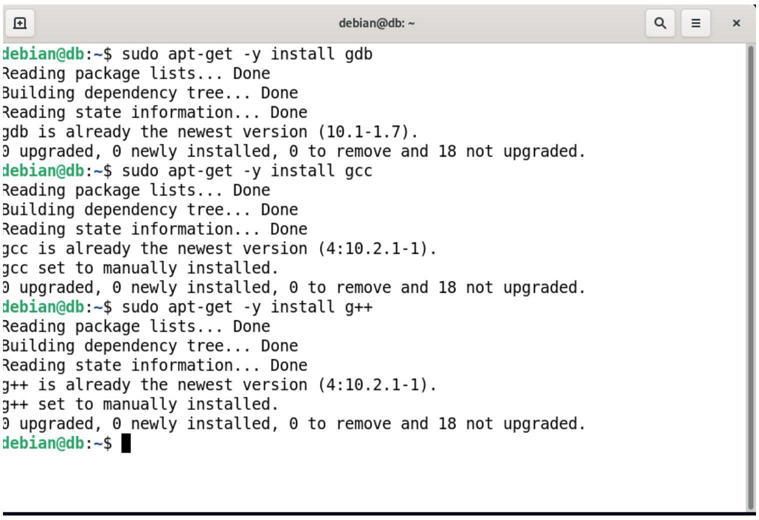
Categories
Programming Languages
Snippets
Linters
Debuggers

Extension Resources
Marketplace
Repository
License
Microsoft

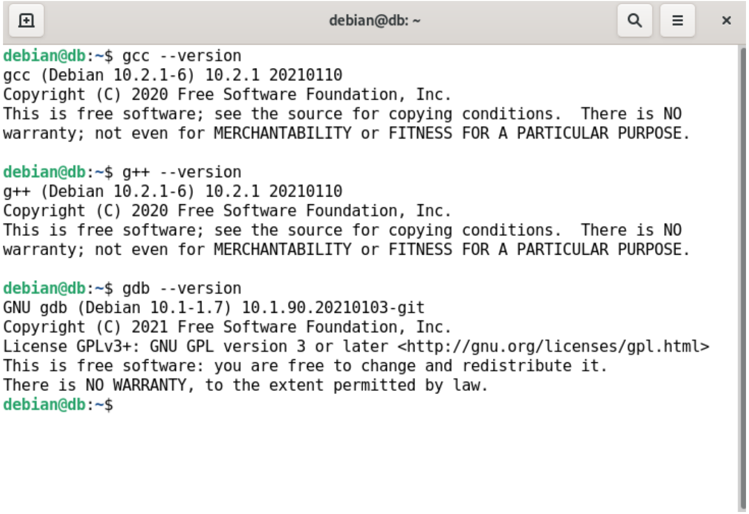
More Info
Released on 2/26/2016, 18:20:58
Last updated 5/24/2022, 20:22:25
Identifier ms-dotnettools.csha

4) VSCODE C/C++ Destegi Verilmesi

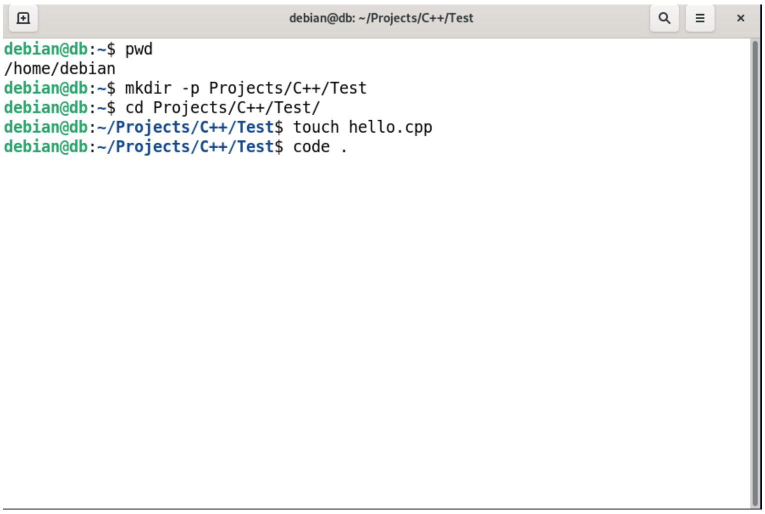
4.1) gcc, g++ ve gdb Kurulumlari.



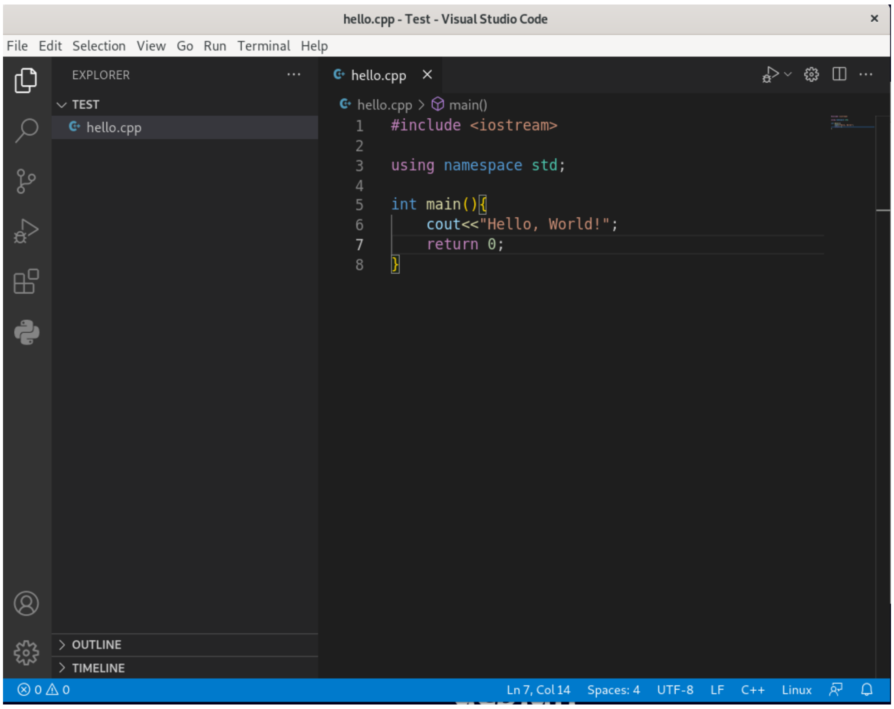
```
debian@db:~$ sudo apt-get -y install gdb
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
gdb is already the newest version (10.1-1.7).
0 upgraded, 0 newly installed, 0 to remove and 18 not upgraded.
debian@db:~$ sudo apt-get -y install gcc
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
gcc is already the newest version (4:10.2.1-1).
gcc set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 18 not upgraded.
debian@db:~$ sudo apt-get -y install g++
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
g++ is already the newest version (4:10.2.1-1).
g++ set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 18 not upgraded.
debian@db:~$
```



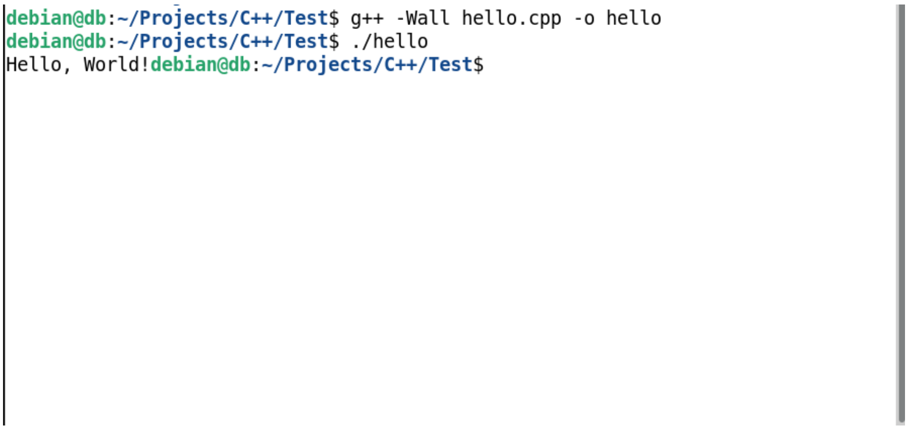
```
debian@db:~$ gcc --version
gcc (Debian 10.2.1-6) 10.2.1 20210110
Copyright (C) 2020 Free Software Foundation, Inc.
This is free software; see the source for copying conditions.  There is NO
warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

debian@db:~$ g++ --version
g++ (Debian 10.2.1-6) 10.2.1 20210110
Copyright (C) 2020 Free Software Foundation, Inc.
This is free software; see the source for copying conditions.  There is NO
warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

debian@db:~$ gdb --version
GNU gdb (Debian 10.1-1.7) 10.1.90.20210103-git
Copyright (C) 2021 Free Software Foundation, Inc.
License GPLv3+: GNU GPL version 3 or later <http://gnu.org/licenses/gpl.html>
This is free software: you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law.
debian@db:~$
```



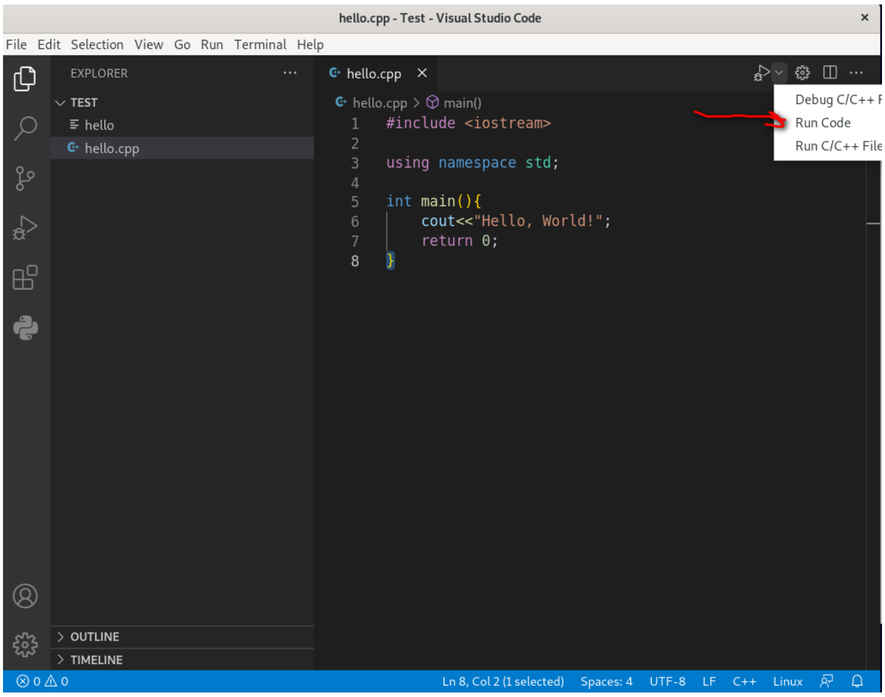
```
debian@db:~$ pwd
/home/debian
debian@db:~$ mkdir -p Projects/C++/Test
debian@db:~$ cd Projects/C++/Test/
debian@db:~/Projects/C++/Test$ touch hello.cpp
debian@db:~/Projects/C++/Test$ code .
```



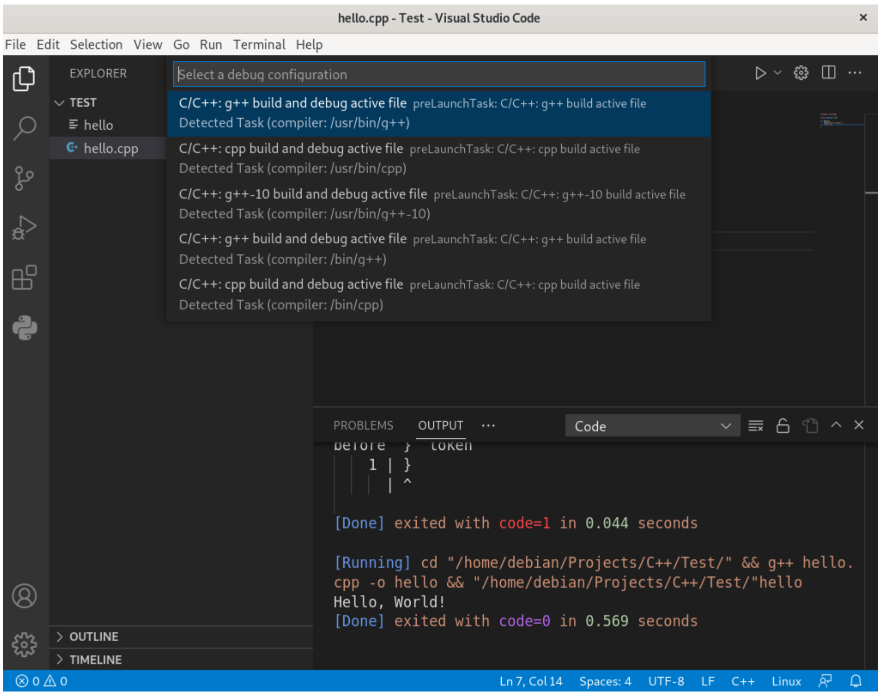
```
#include <iostream>

using namespace std;

int main(){
    cout<<"Hello, World!";
    return 0;
}
```



```
debian@db:~/Projects/C++/Test$ g++ -Wall hello.cpp -o hello
debian@db:~/Projects/C++/Test$ ./hello
Hello, World!debian@db:~/Projects/C++/Test$
```



```
#include <iostream>

using namespace std;

int main(){
    cout<<"Hello, World!";
    return 0;
}
```



Select a debug configuration

C/C++: g++ build and debug active file preLaunchTask: C/C++: g++ build active file
Detected Task (compiler: /usr/bin/g++)

C/C++: cpp build and debug active file preLaunchTask: C/C++: cpp build active file
Detected Task (compiler: /usr/bin/cpp)

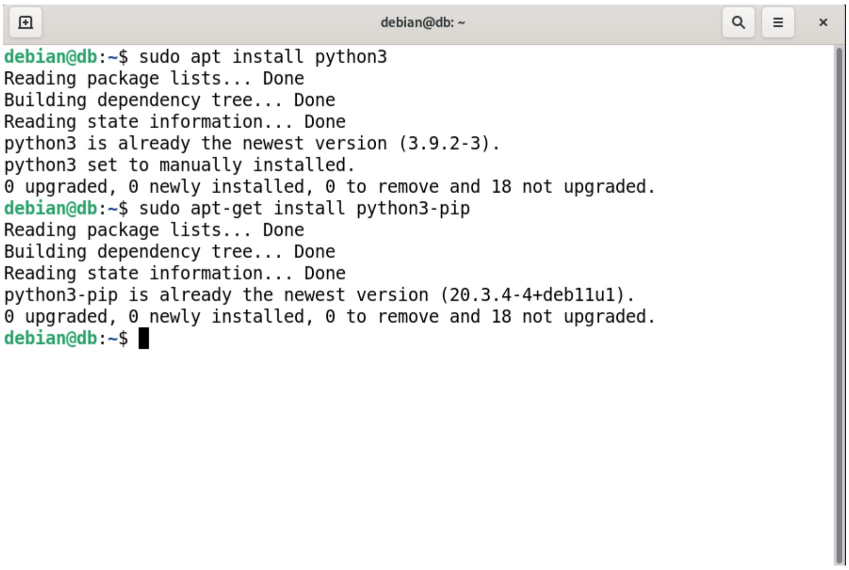
C/C++: g++-10 build and debug active file preLaunchTask: C/C++: g++-10 build active file
Detected Task (compiler: /usr/bin/g++-10)

C/C++: g++ build and debug active file preLaunchTask: C/C++: g++ build active file
Detected Task (compiler: /bin/g++)

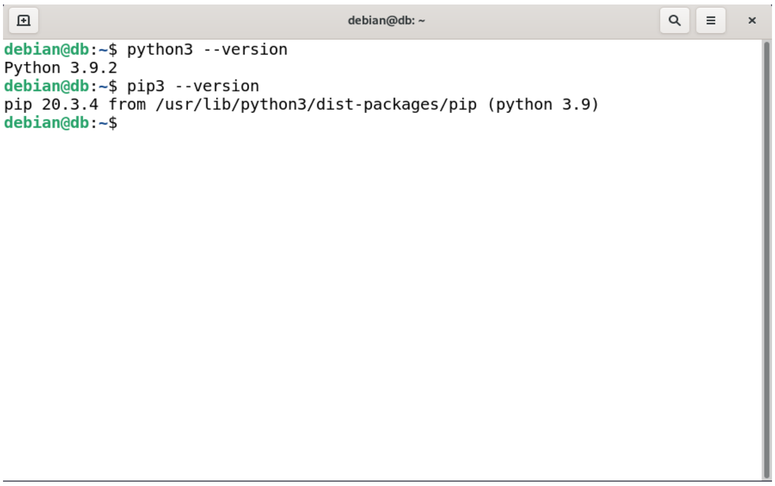
C/C++: cpp build and debug active file preLaunchTask: C/C++: cpp build active file
Detected Task (compiler: /bin/cpp)

```
before '}' token
    1 | }
      | ^

[Done] exited with code=1 in 0.044 seconds

[Running] cd "/home/debian/Projects/C++/Test/" && g++ hello.
cpp -o hello && "/home/debian/Projects/C++/Test/"hello
Hello, World!
[Done] exited with code=0 in 0.569 seconds
```

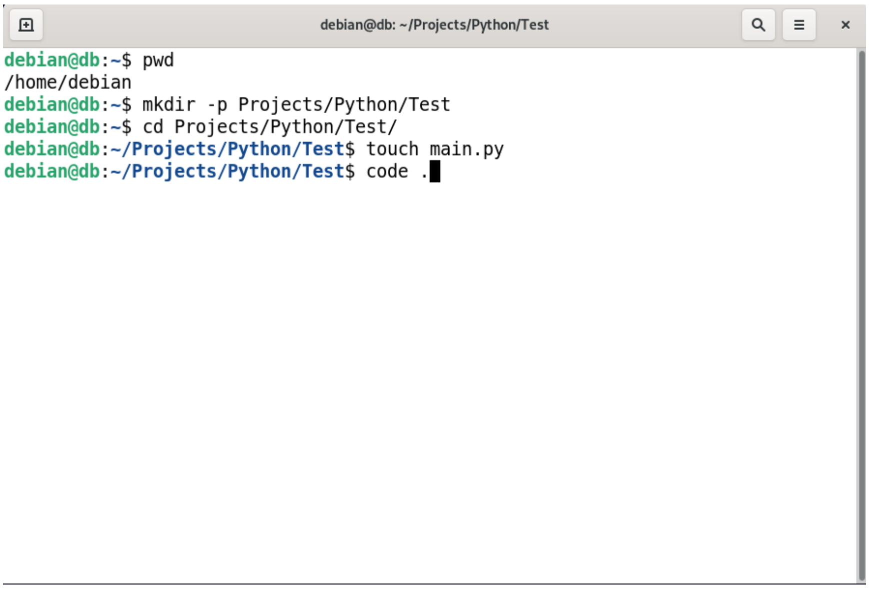
5) Python Kurulumlari



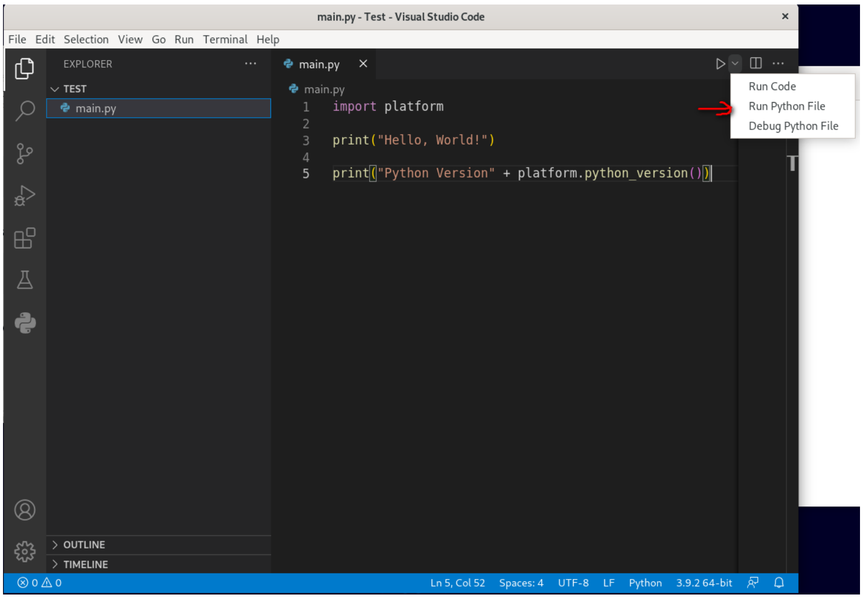
```
debian@db:~$ sudo apt install python3
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
python3 is already the newest version (3.9.2-3).
python3 set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 18 not upgraded.
debian@db:~$ sudo apt-get install python3-pip
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
python3-pip is already the newest version (20.3.4-4+deb11u1).
0 upgraded, 0 newly installed, 0 to remove and 18 not upgraded.
debian@db:~$ 
```



```
debian@db:~$ python3 --version
Python 3.9.2
debian@db:~$ pip3 --version
pip 20.3.4 from /usr/lib/python3/dist-packages/pip (python 3.9)
debian@db:~$
```

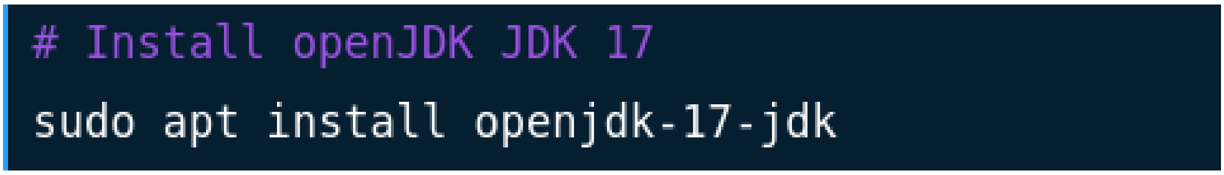


```
debian@db:~$ pwd
/home/debian
debian@db:~$ mkdir -p Projects/Python/Test
debian@db:~$ cd Projects/Python/Test/
debian@db:~/Projects/Python/Test$ touch main.py
debian@db:~/Projects/Python/Test$ code .
```

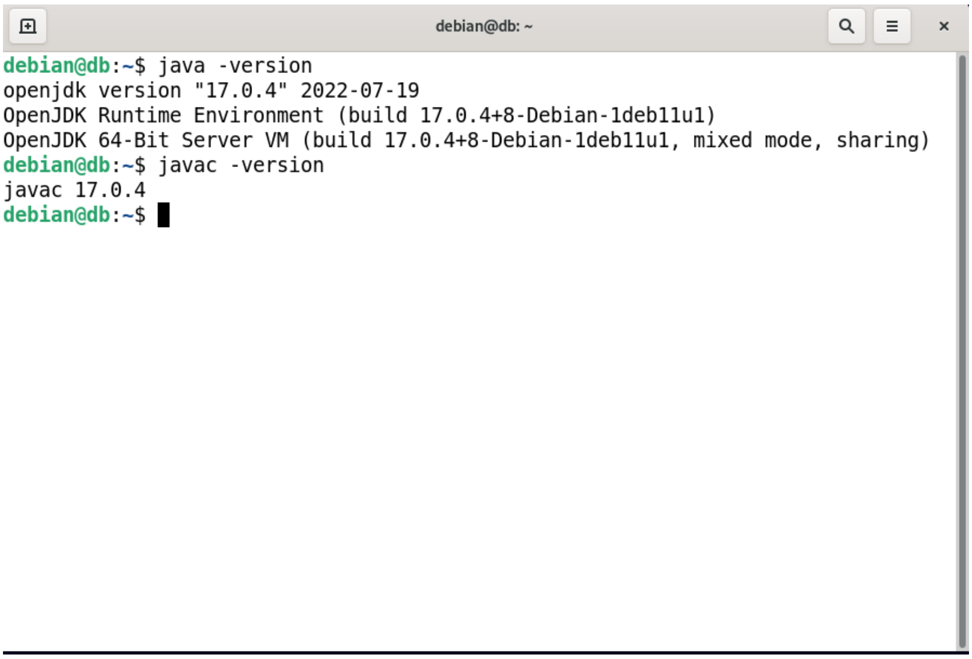

main.py - Test - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
TEST
main.py
main.py
Run Code
Run Python File
Debug Python File
OUTLINE
TIMELINE
⊗ 0 ⚠ 0
Ln 5, Col 52 Spaces: 4 UTF-8 LF Python 3.9.2 64-bit

```python
import platform

print("Hello, World!")

print("Python Version" + platform.python_version())
```

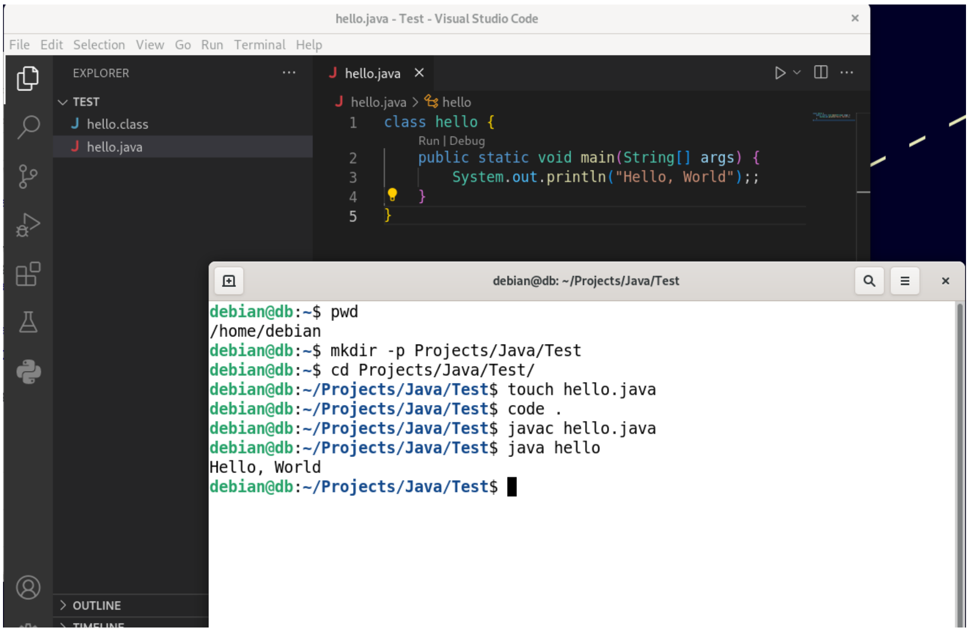
6) Java Kurulumlari



```
# Install openJDK JDK 17
sudo apt install openjdk-17-jdk
```



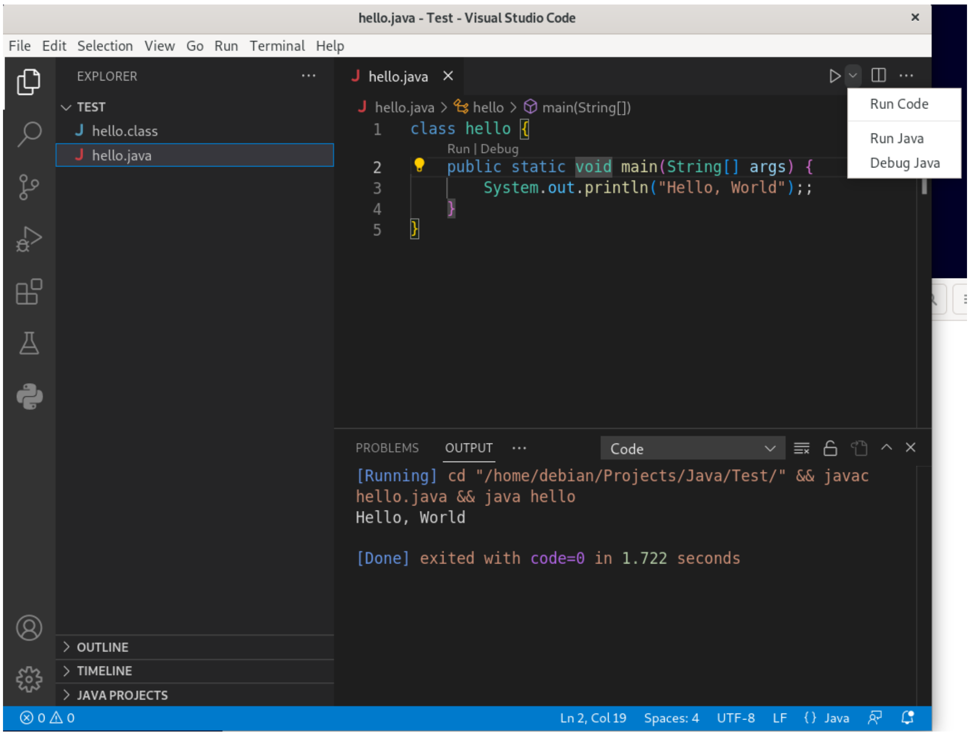
```
debian@db:~$ java -version
openjdk version "17.0.4" 2022-07-19
OpenJDK Runtime Environment (build 17.0.4+8-Debian-1deb11u1)
OpenJDK 64-Bit Server VM (build 17.0.4+8-Debian-1deb11u1, mixed mode, sharing)
debian@db:~$ javac -version
javac 17.0.4
debian@db:~$ 
```


hello.java - Test - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
TEST
hello.class
hello.java
hello.java
hello.java > hello
Run | Debug
OUTLINE
TIMELINE
debian@db: ~/Projects/Java/Test

```java
class hello {
    public static void main(String[] args) {
        System.out.println("Hello, World");;
    }
}
```

```
debian@db:~$ pwd
/home/debian
debian@db:~$ mkdir -p Projects/Java/Test
debian@db:~$ cd Projects/Java/Test/
debian@db:~/Projects/Java/Test$ touch hello.java
debian@db:~/Projects/Java/Test$ code .
debian@db:~/Projects/Java/Test$ javac hello.java
debian@db:~/Projects/Java/Test$ java hello
Hello, World
debian@db:~/Projects/Java/Test$ 
```

6.1) Run Code’a Basilir.

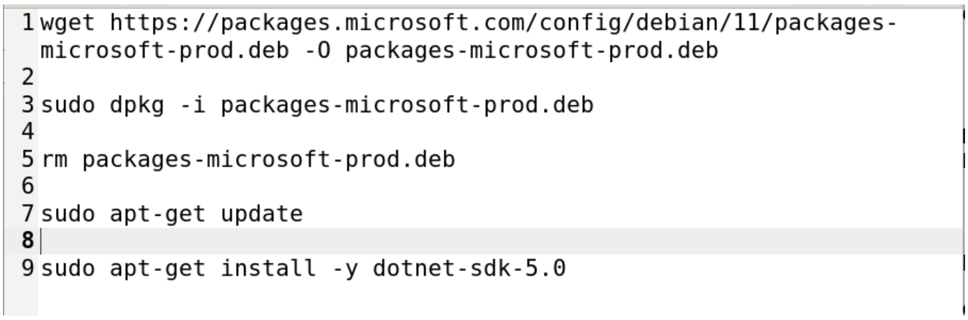

hello.java - Test - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
TEST
hello.class
hello.java
hello.java
hello.java > hello > main(String[])
Run | Debug
Run Code
Run Java
Debug Java
OUTLINE
TIMELINE
JAVA PROJECTS
PROBLEMS
OUTPUT
Code
Ln 2, Col 19 Spaces: 4 UTF-8 LF {} Java

```
class hello {
    public static void main(String[] args) {
        System.out.println("Hello, World");;
    }
}
```

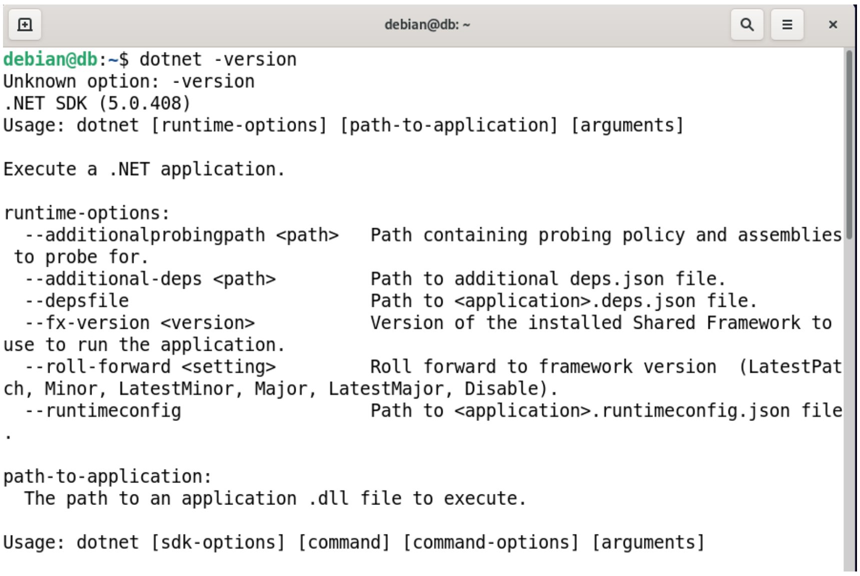
```
[Running] cd "/home/debian/Projects/Java/Test/" && javac
hello.java && java hello
Hello, World

[Done] exited with code=0 in 1.722 seconds
```

7) Dotnet Kurulumlari

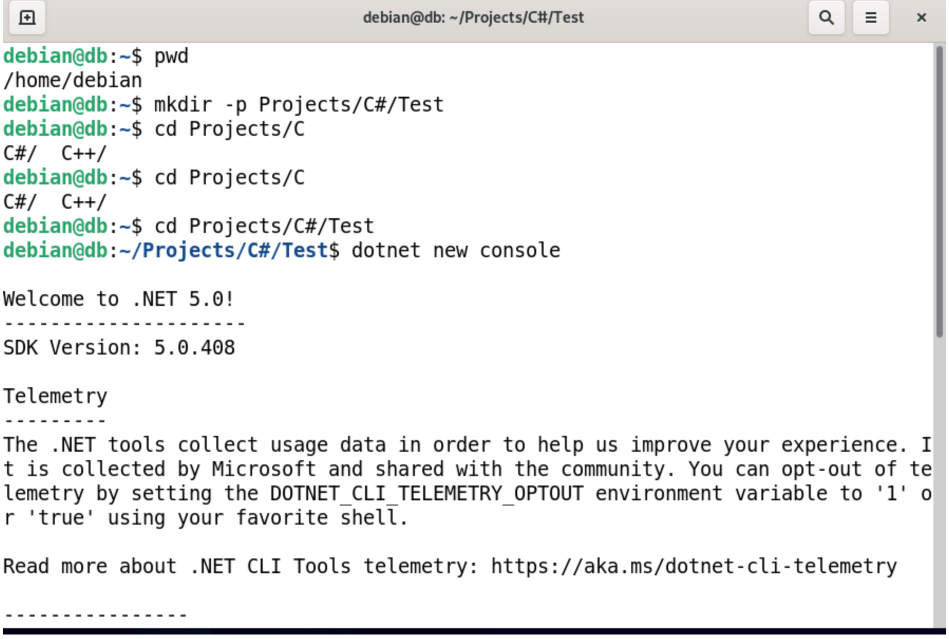
7.1) Asagidaki kodlar sirasiyla terminale yazilir.



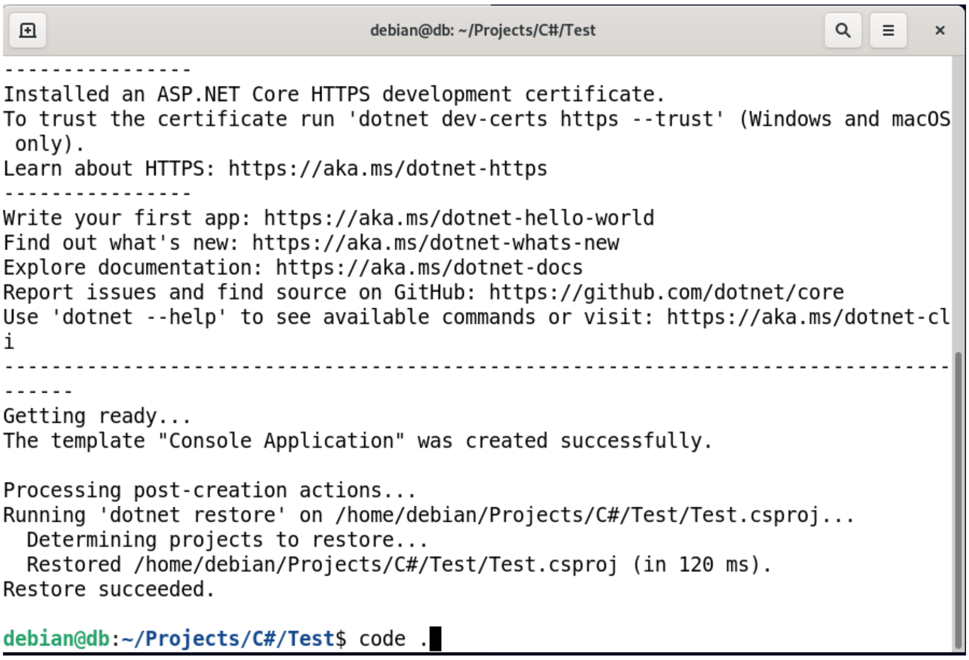
```
wget https://packages.microsoft.com/config/debian/11/packages-microsoft-prod.deb -O packages-microsoft-prod.deb

sudo dpkg -i packages-microsoft-prod.deb

rm packages-microsoft-prod.deb

sudo apt-get update

sudo apt-get install -y dotnet-sdk-5.0
```



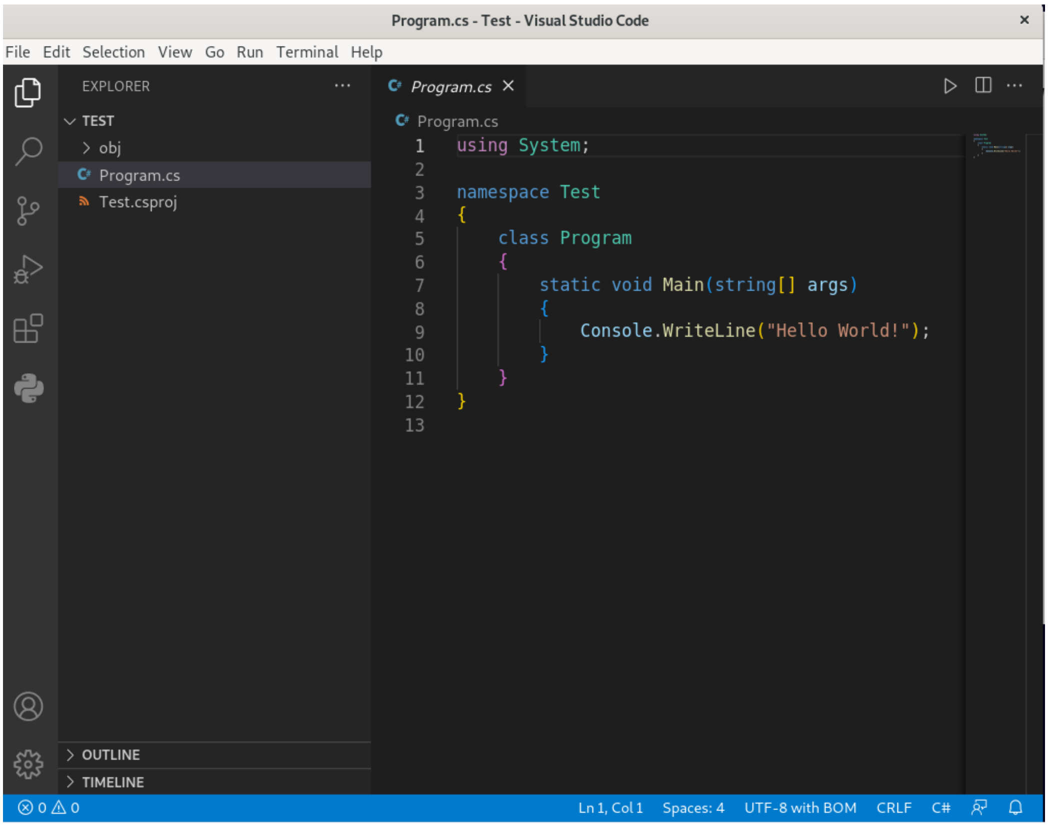
```
debian@db:~$ dotnet -version
Unknown option: -version
.NET SDK (5.0.408)
Usage: dotnet [runtime-options] [path-to-application] [arguments]

Execute a .NET application.

runtime-options:
  --additionalprobingpath <path>   Path containing probing policy and assemblies
 to probe for.
  --additional-deps <path>         Path to additional deps.json file.
  --depsfile                       Path to <application>.deps.json file.
  --fx-version <version>           Version of the installed Shared Framework to
use to run the application.
  --roll-forward <setting>         Roll forward to framework version  (LatestPat
ch, Minor, LatestMinor, Major, LatestMajor, Disable).
  --runtimeconfig                  Path to <application>.runtimeconfig.json file
.

path-to-application:
  The path to an application .dll file to execute.

Usage: dotnet [sdk-options] [command] [command-options] [arguments]
```



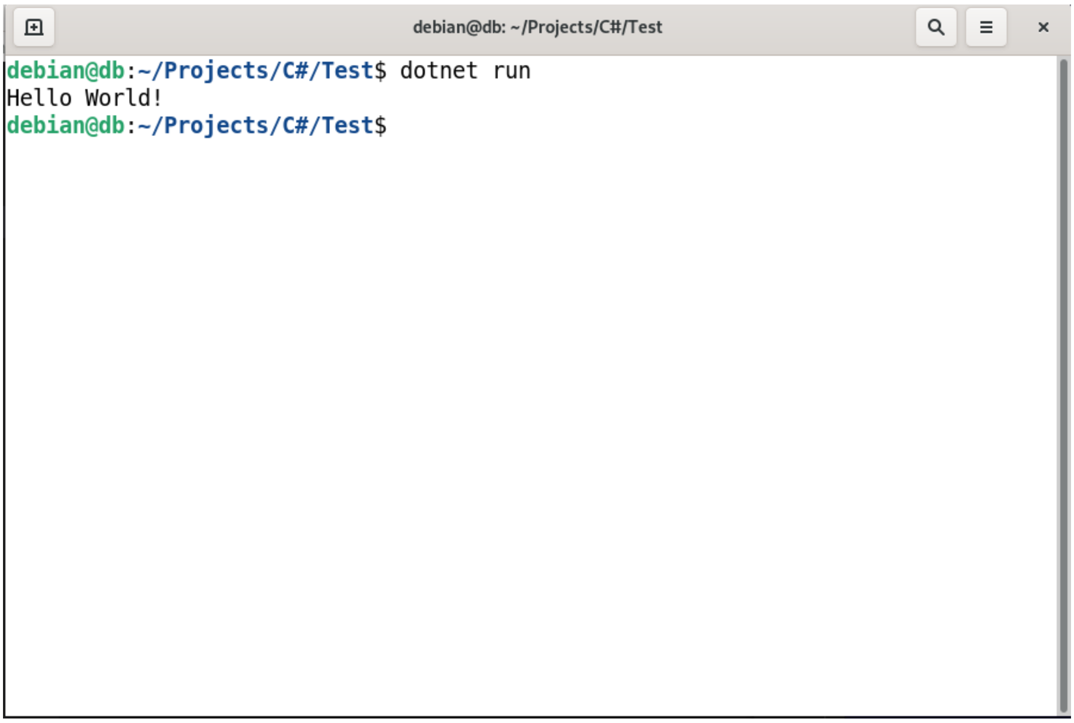
```
debian@db:~$ pwd
/home/debian
debian@db:~$ mkdir -p Projects/C#/Test
debian@db:~$ cd Projects/C
C#/  C++/
debian@db:~$ cd Projects/C
C#/  C++/
debian@db:~$ cd Projects/C#/Test
debian@db:~/Projects/C#/Test$ dotnet new console

Welcome to .NET 5.0!
---------------------
SDK Version: 5.0.408

Telemetry
---------
The .NET tools collect usage data in order to help us improve your experience. I
t is collected by Microsoft and shared with the community. You can opt-out of te
lemetry by setting the DOTNET_CLI_TELEMETRY_OPTOUT environment variable to '1' o
r 'true' using your favorite shell.

Read more about .NET CLI Tools telemetry: https://aka.ms/dotnet-cli-telemetry

----------------
```



```
----------------
Installed an ASP.NET Core HTTPS development certificate.
To trust the certificate run 'dotnet dev-certs https --trust' (Windows and macOS
 only).
Learn about HTTPS: https://aka.ms/dotnet-https
----------------
Write your first app: https://aka.ms/dotnet-hello-world
Find out what's new: https://aka.ms/dotnet-whats-new
Explore documentation: https://aka.ms/dotnet-docs
Report issues and find source on GitHub: https://github.com/dotnet/core
Use 'dotnet --help' to see available commands or visit: https://aka.ms/dotnet-cl
i
--------------------------------------------------------------------------------
------
Getting ready...
The template "Console Application" was created successfully.

Processing post-creation actions...
Running 'dotnet restore' on /home/debian/Projects/C#/Test/Test.csproj...
  Determining projects to restore...
  Restored /home/debian/Projects/C#/Test/Test.csproj (in 120 ms).
Restore succeeded.

debian@db:~/Projects/C#/Test$ code .
```



```
using System;

namespace Test
{
    class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("Hello World!");
        }
    }
}

```



```
debian@db:~/Projects/C#/Test$ dotnet run
Hello World!
debian@db:~/Projects/C#/Test$
```