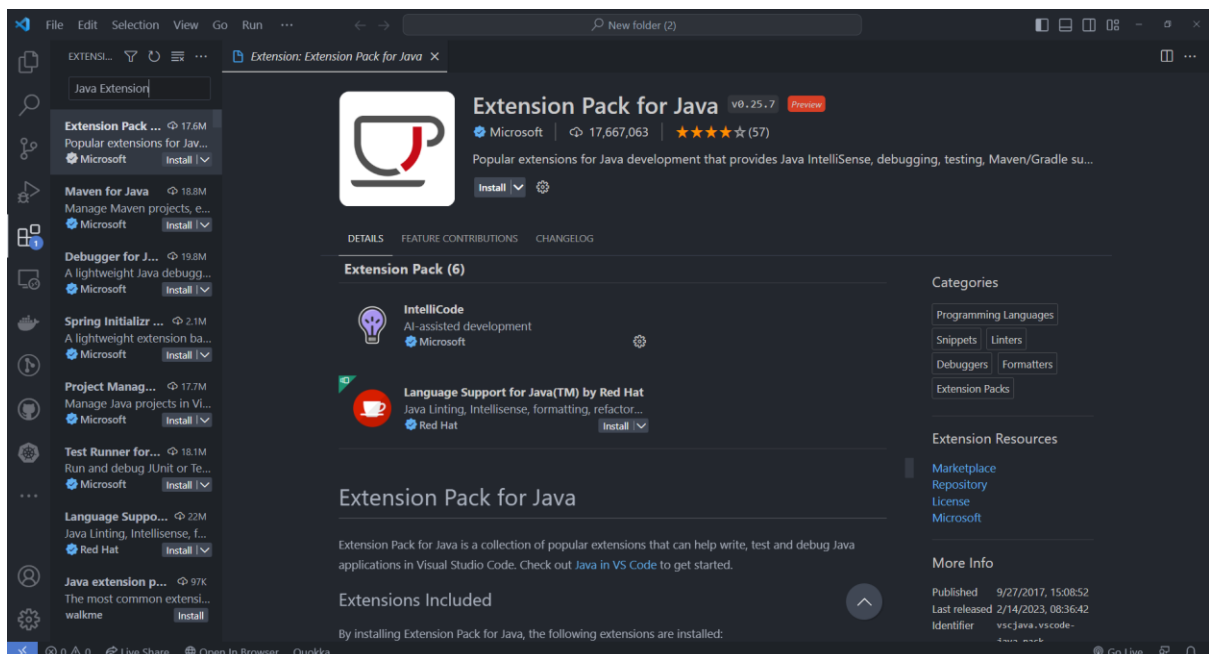
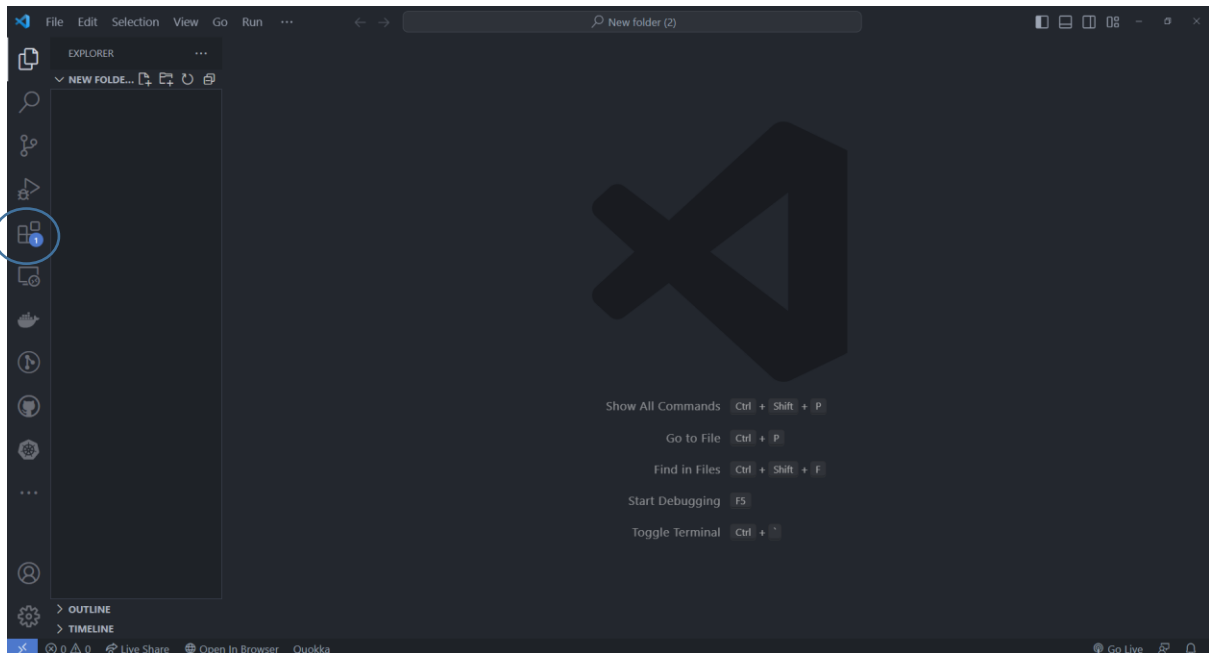


1. First we need to download and install Visual Studio Code (VS Code) in our PC.
2. After installing the VS code we need to follow some steps discussed below.

Step – 1: We will go on extension icon in VS code and install JAVA EXTENSION.



Step – 2: We will install a Java Development Kit (JDK).

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Java SE Development Kit 16.0.2
This software is licensed under the [Oracle Technology Network License Agreement](#) for Oracle Java SE

Product / File Description	File Size	Download
Linux ARM 64 RPM Package	144.87 MB	jdk-16.0.2_linux-aarch64_bin.rpm
Linux ARM 64 Compressed Archive	160.73 MB	jdk-16.0.2_linux-aarch64_bin.tar.gz
Linux x64 Debian Package	146.17 MB	jdk-16.0.2_linux-x64_bin.deb
Linux x64 RPM Package	153.01 MB	jdk-16.0.2_linux-x64_bin.rpm
Linux x64 Compressed Archive	170.04 MB	jdk-16.0.2_linux-x64_bin.tar.gz
macOS x64 DMG Installer	166.6 MB	jdk-16.0.2_osx-x64_bin.dmg
macOS x64 Compressed Archive	167.21 MB	jdk-16.0.2_osx-x64_bin.tar.gz
Windows x64 Installer	150.58 MB	jdk-16.0.2_windows-x64_bin.exe
Windows x64 Compressed Archive	168.8 MB	jdk-16.0.2_windows-x64_bin.zip

Step-3: We will copy the file path up to bin folder in java folder.

File Home Share View

Pin to Quick access Copy Paste Cut Copy path Paste shortcut Move to Copy to Delete Rename New folder New item Easy access Properties Open Edit History

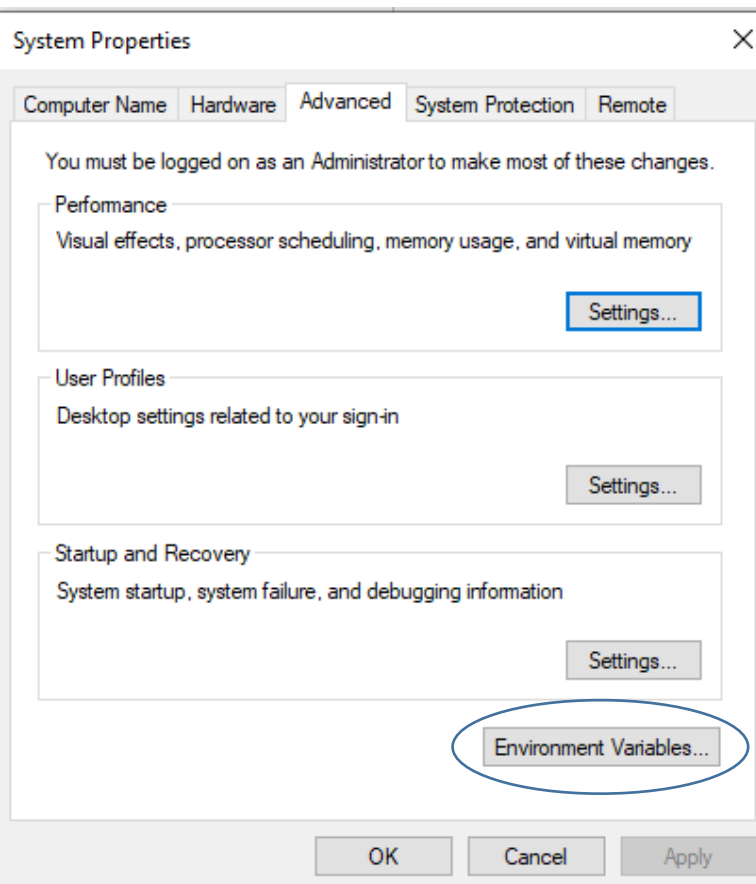
Clipboard Organize New Open

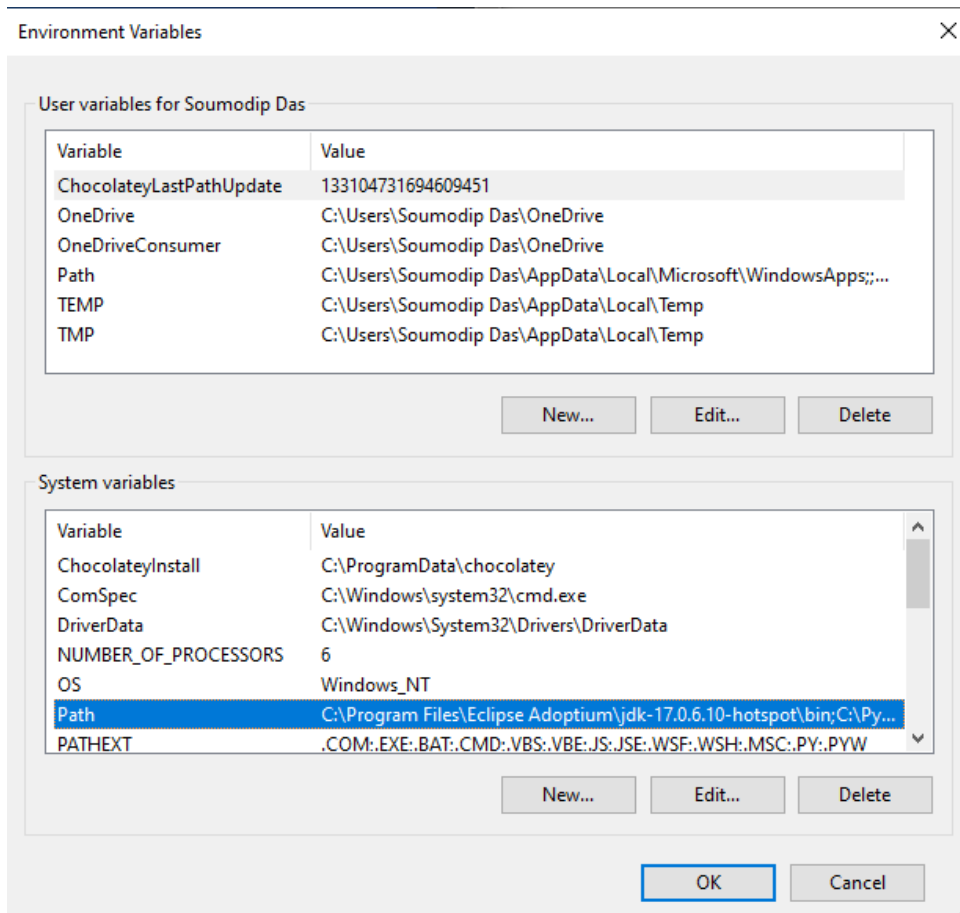
← → ↕ ↑ **C:\Program Files\Java\jdk-17.0.1\bin**

Name	Date modified	Type
server	21-10-2021 17:58	File folder
api-ms-win-core-console-l1-1-0.dll	21-10-2021 17:58	Application ex
api-ms-win-core-console-l1-2-0.dll	21-10-2021 17:58	Application ex
api-ms-win-core-datetime-l1-1-0.dll	21-10-2021 17:58	Application ex
api-ms-win-core-debug-l1-1-0.dll	21-10-2021 17:58	Application ex
api-ms-win-core-errorhandling-l1-1-0.dll	21-10-2021 17:58	Application ex
api-ms-win-core-file-l1-1-0.dll	21-10-2021 17:58	Application ex
api-ms-win-core-file-l1-2-0.dll	21-10-2021 17:58	Application ex

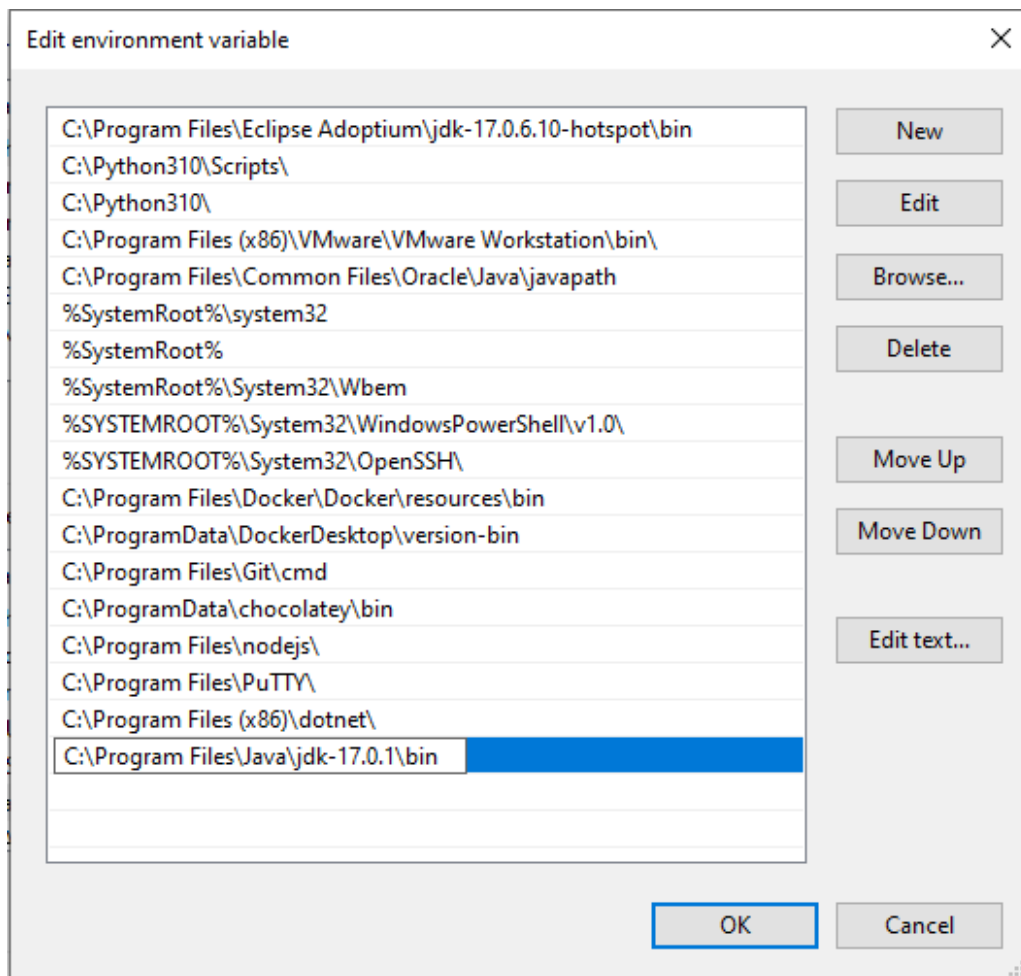
C:\Program Files\Java\jdk-17.0.1\bin

Step -4: We will search environment variables in search bar





We will paste the path that we have copied.



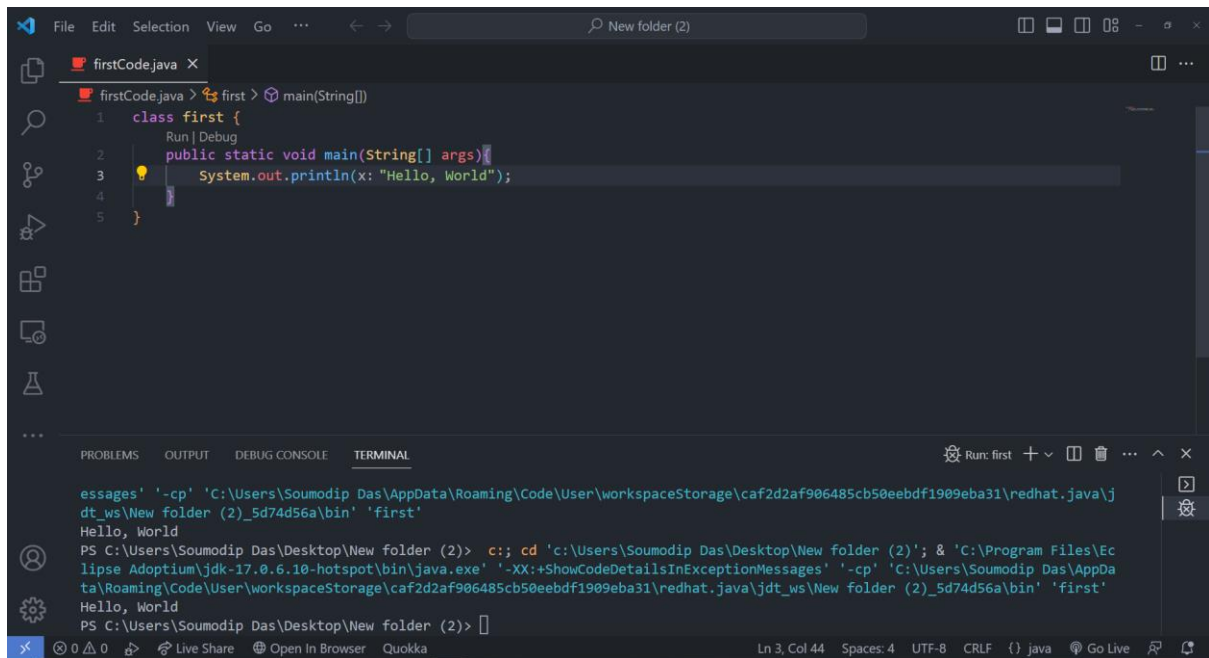
After clicking ok, we will go to command prompt and run a command **javac -version**. And we can see that jdk is properly installed in our PC.

```
Command Prompt
Microsoft Windows [Version 10.0.19045.2604]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Soumodip Das>javac -version
javac 17.0.6

C:\Users\Soumodip Das>_
```

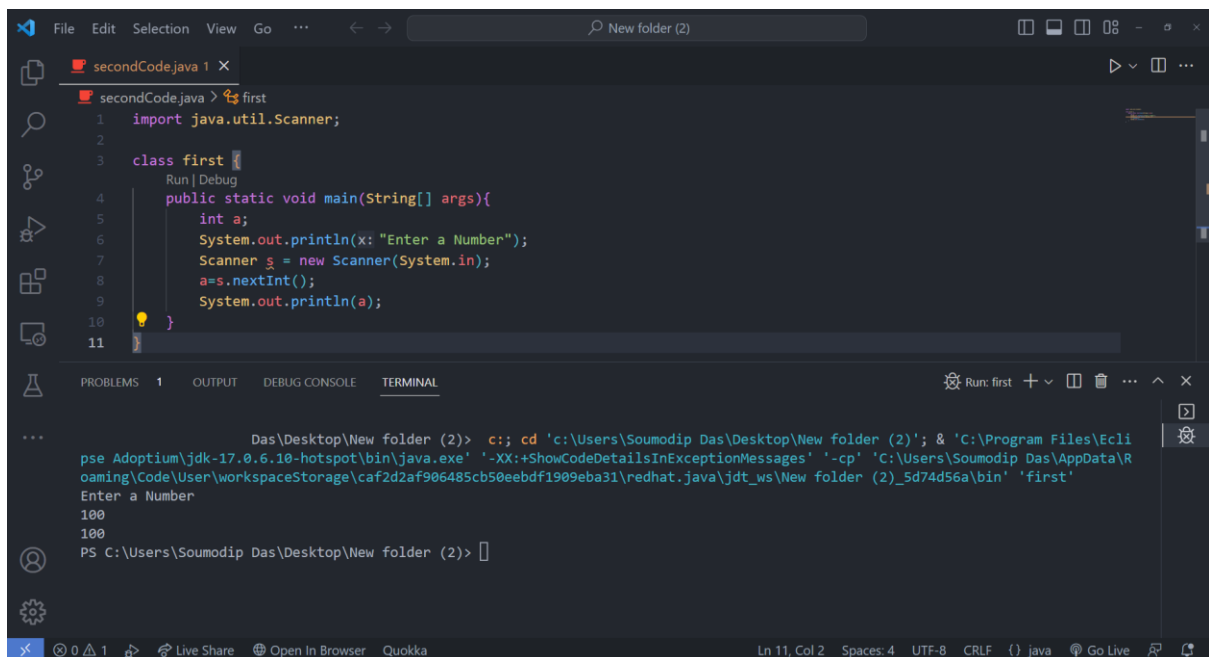
Step -5: Now we will go again in VS Code. And create a java file and run our first code.



```
firstCode.java > first > main(String[])
1 class first {
2     public static void main(String[] args){
3         System.out.println(x: "Hello, World");
4     }
5 }
```

Run: first

```
essages' '-cp' 'C:\Users\Soumodip Das\AppData\Roaming\Code\User\workspaceStorage\caf2d2af906485cb50eebdf1909eba31\redhat.java\j
dt_ws\New folder (2)_5d74d56a\bin' 'first'
Hello, World
PS C:\Users\Soumodip Das\Desktop\New folder (2)> c:; cd 'C:\Users\Soumodip Das\Desktop\New folder (2)'; & 'C:\Program Files\Ec
lipse Adoptium\jdk-17.0.6.10-hotspot\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\Soumodip Das\AppData
\Roaming\Code\User\workspaceStorage\caf2d2af906485cb50eebdf1909eba31\redhat.java\jdt_ws\New folder (2)_5d74d56a\bin' 'first'
Hello, World
PS C:\Users\Soumodip Das\Desktop\New folder (2)> 
```



```
secondCode.java > first
1 import java.util.Scanner;
2
3 class first {
4     public static void main(String[] args){
5         int a;
6         System.out.println(x: "Enter a Number");
7         Scanner s = new Scanner(System.in);
8         a=s.nextInt();
9         System.out.println(a);
10     }
11 }
```

Run: first

```
Das\Desktop\New folder (2)> c:; cd 'C:\Users\Soumodip Das\Desktop\New folder (2)'; & 'C:\Program Files\Ecli
pse Adoptium\jdk-17.0.6.10-hotspot\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\Soumodip Das\AppData\Ro
aming\Code\User\workspaceStorage\caf2d2af906485cb50eebdf1909eba31\redhat.java\jdt_ws\New folder (2)_5d74d56a\bin' 'first'
Enter a Number
100
100
PS C:\Users\Soumodip Das\Desktop\New folder (2)> 
```

The lab setup is completed

