

**Experiment No. 01**  
**Experiment Name: Implementation of Java Setup in Visual Code**

*Course title: Programming Language II(Java) Lab*  
*Course code:*  
*Spring 2025*

**Date of Submission:**



**Submitted to-**

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## Step-by-Step Java Setup in Visual Studio Code (VS Code)

### Step 1: Check Java Installation

- ✓ Some PCs might have Java already installed.
- ✓ To check if you have Java installed on a Windows PC,
- ✓ search in the start bar for Java or type the following in
- ✓ Windows +R. Command Prompt (cmd.exe): **java -version**
- ✓ If Java is installed, you will see something like this
- ✓ (depending on version):



```
Command Prompt
Microsoft Windows [Version 10.0.22000.1574]
(c) Microsoft Corporation. All rights reserved.

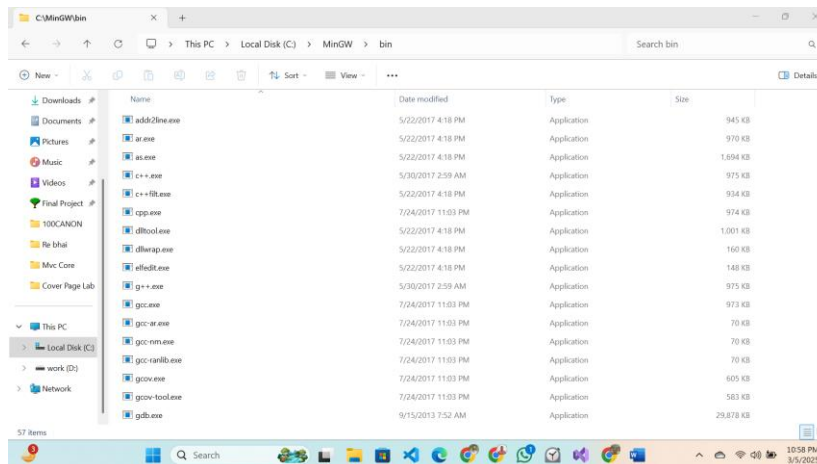
C:\Users\verma>java -version
'java' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\verma>
```

- ✓ If you do not have Java installed on your computer, you
- ✓ can download it for free from the following link:

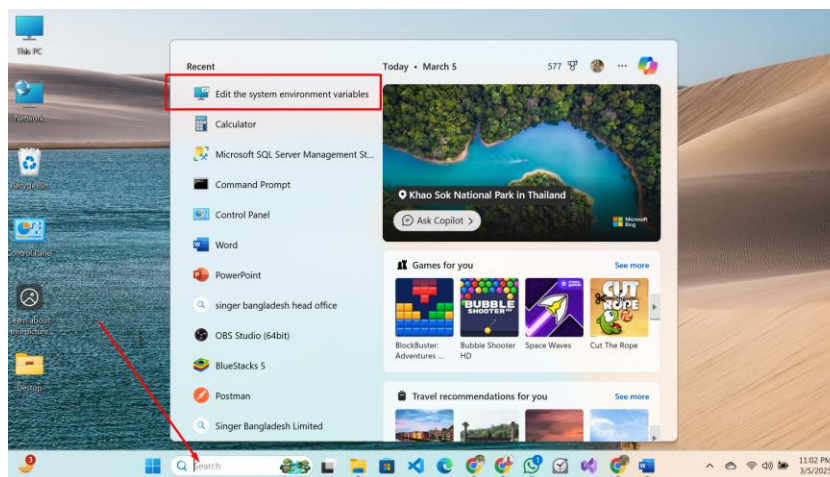
<https://www.oracle.com/bd/java/technologies/downloads/#jdk23-windows>

- ✓ install This Java JDK
- ✓ Go To **This Pc**
- ✓ Go to **Local Disk**

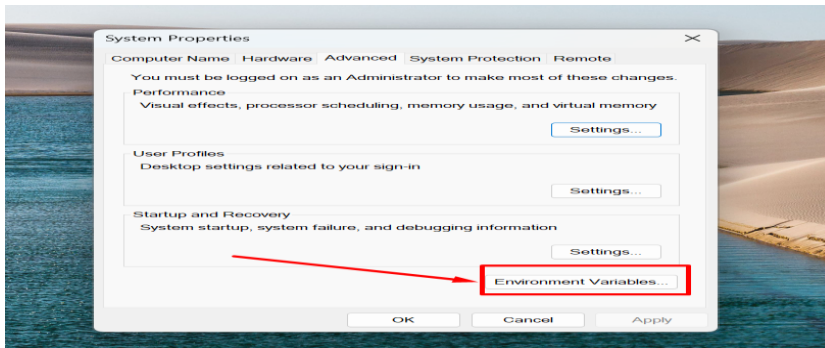


Copy to Path...

## 1. Go Search Bar..... Environment variables

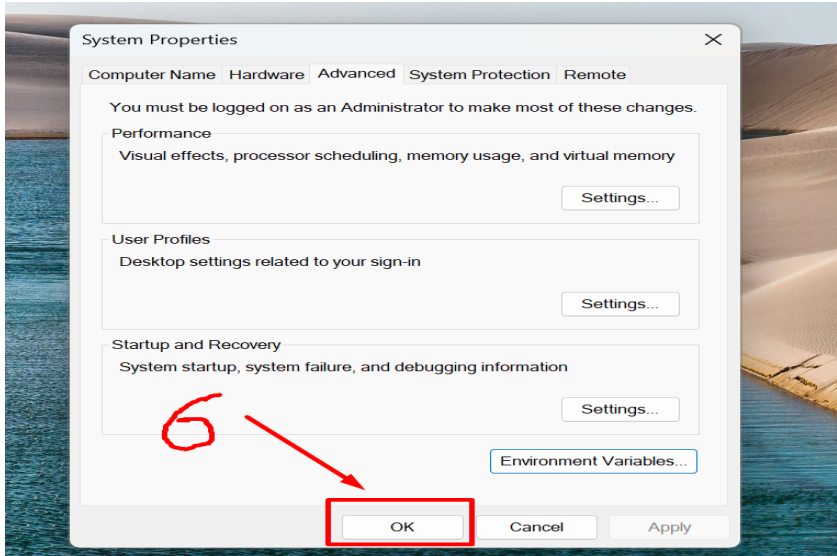
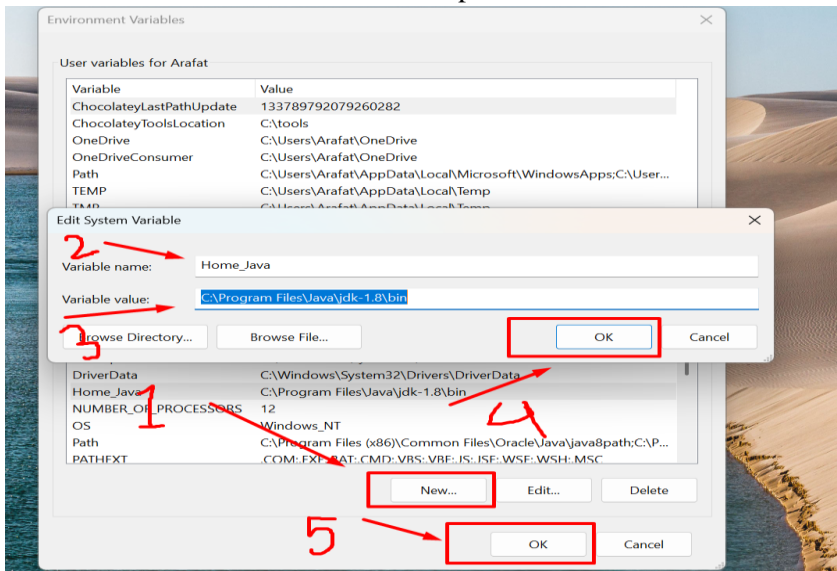


## 2. Click on the "Environment variables" button under the "Advanced" tab



3. Then, select the "Path" variable in System variables and click on the "New" button

Click on the "New" button and a new path with:



4. At last, open Command Prompt (cmd.exe) and type **java -version**

```
C:\WINDOWS\system32\cmd. x + v
Microsoft Windows [Version 10.0.26100.3194]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Arafat>java -version
java version "1.8.0_441"
Java(TM) SE Runtime Environment (build 1.8.0_441-b07)
Java HotSpot(TM) 64-Bit Server VM (build 25.441-b07, mixed mode)

C:\Users\Arafat>|
```

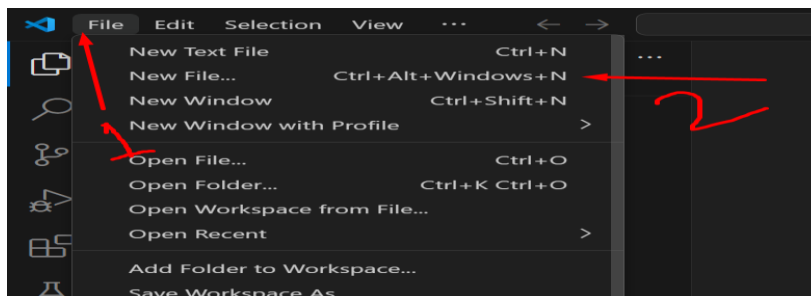
## ❖ VS Code



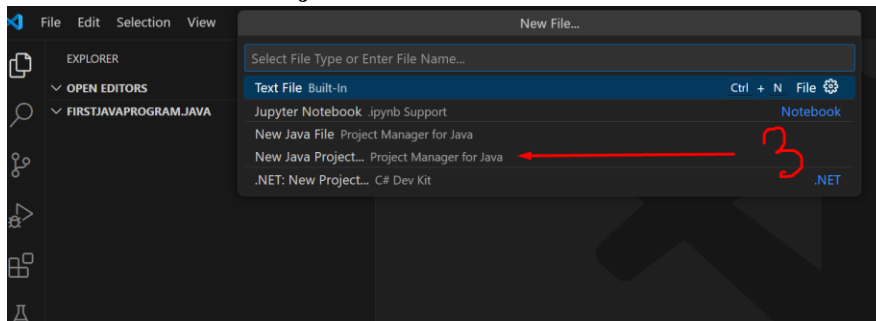
Download: <https://code.visualstudio.com/>

### 0. Create Java Project Open Vs Code.

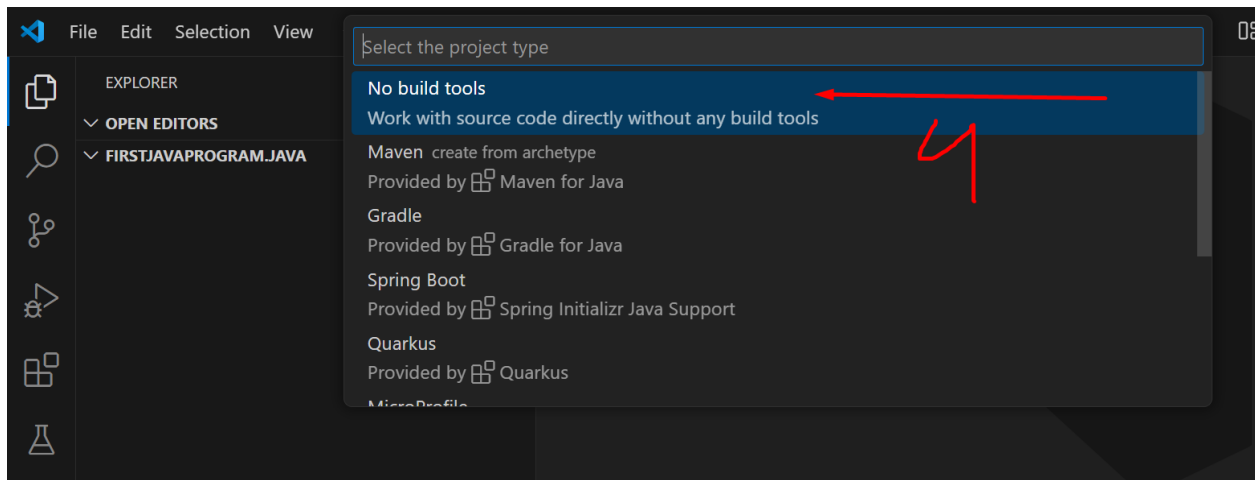
1. Click **File**
2. Click **New File**



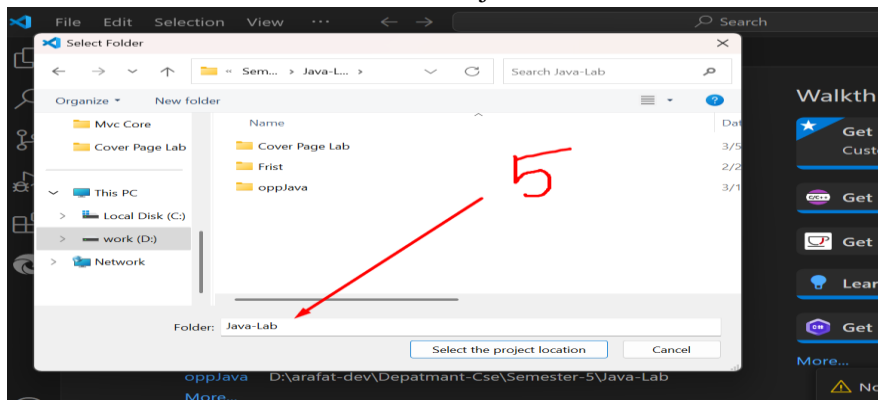
### 3. Click **New Java Project**



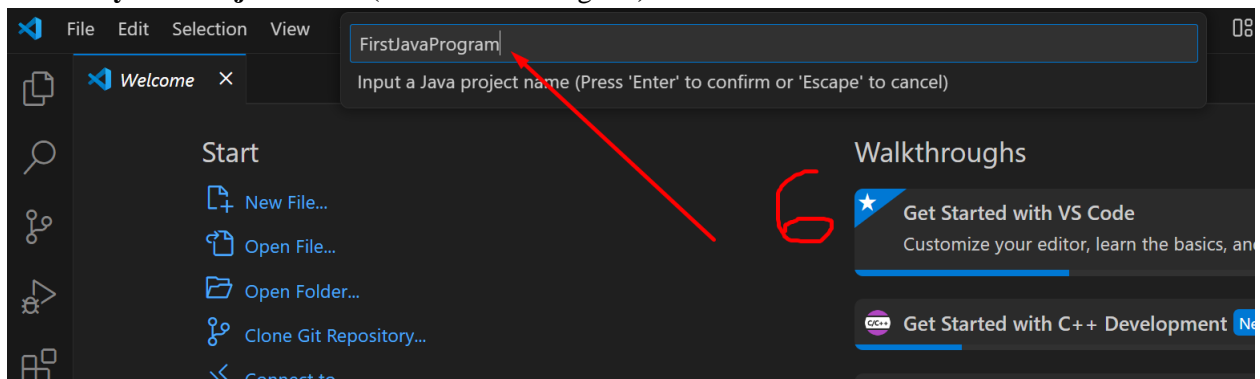
4. Click **No build tools**



##### 5. Click **Select Folder** Create Java Project

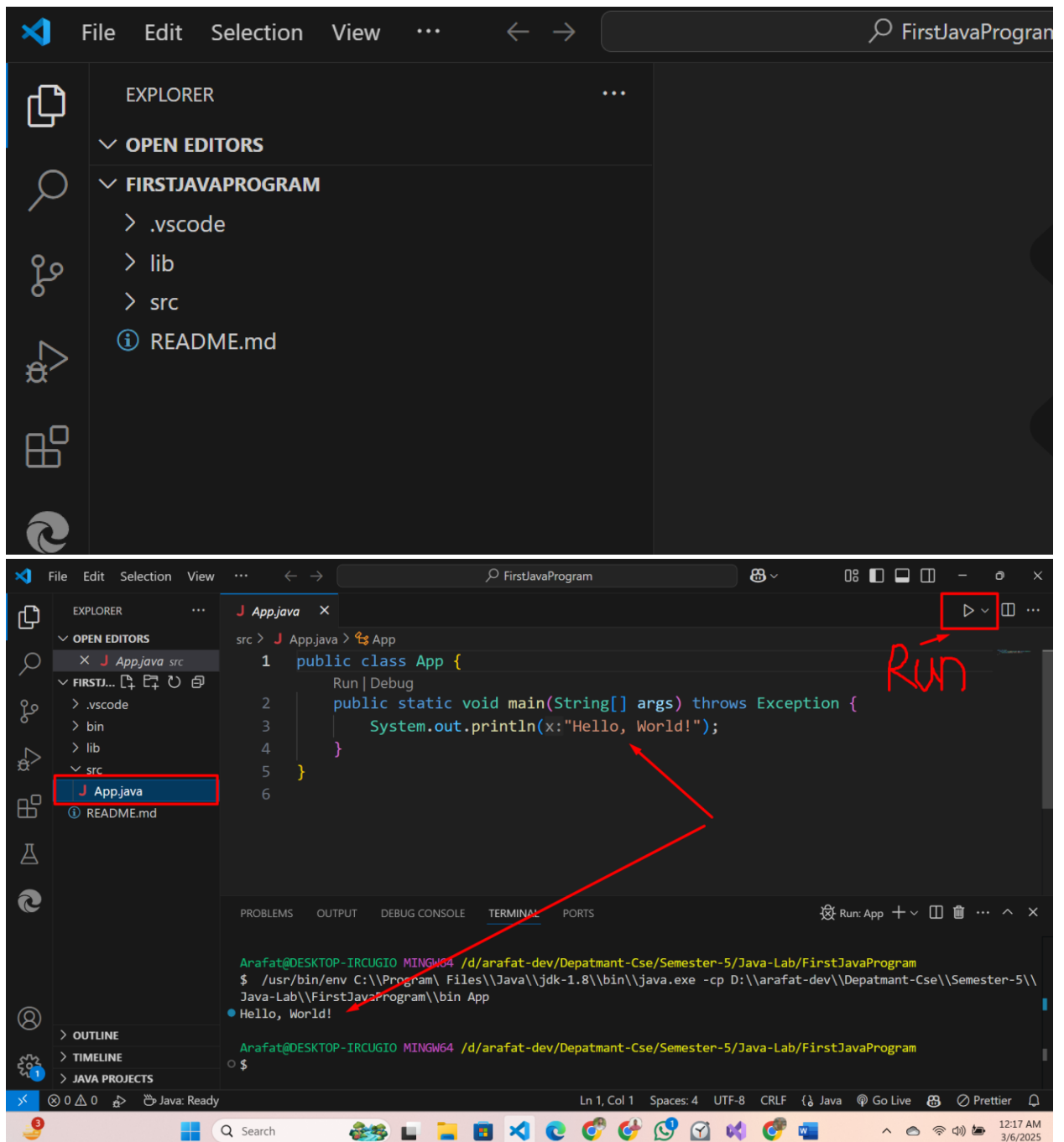


##### 6. Entry File Project Name (Ex: FirstJavaProgram)



##### 7. Final Create Project Done

1. Live Server
2. Material Icon Theme
3. Peacock



**Run:** Click Run Button ----**Run java**

**Output:** Hello, World



```
File Edit Selection View ... FirstJavaProgram
```

```
src > J App.java > ...
```

```
1 public class App {
2     public static void main(String[] args) throws Exception {
3         System.out.println(x: "Welcome to Java Land!");
4     }
5 }
6
7
```

```
Run | Debug
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
```

```
Arafat@DESKTOP-IRCUGIO MINGW64 /d/arafat-dev/Depatmant-Cse/Semester-5/Java-Lab/FirstJavaProgram
$ cd d:\\arafat-dev\\Depatmant-Cse\\Semester-5\\Java-Lab\\FirstJavaProgram ; /usr/bin/env C:\\Program Files\\Java\\jdk-1.8\\bin\\java.exe -cp D:\\arafat-dev\\Depatmant-Cse\\Semester-5\\Java-Lab\\FirstJavaProgram\\bin App
Welcome to Java Land!

Arafat@DESKTOP-IRCUGIO MINGW64 /d/arafat-dev/Depatmant-Cse/Semester-5/Java-Lab/FirstJavaProgram
$
```

Ln 7, Col 1 Spaces: 4 UTF-8 CRLF Java Go Live Prettier

**Output:** Welcome to Java Land!