

**Job No:** 01

**Job Name:** Set Up Java Development Environment Using JDK and IntelliJ IDEA

**Objective:** A Full step-by-step guide to set up a Java development environment on a Windows operating system using JDK and IntelliJ IDEA Community Edition.

**Materials:**

- A PC
- Internet Connection

**Steps:**

**1. Download and Install JDK (Java Development Kit)**

- Open your web browser and go to the Oracle JDK download page (<https://www.oracle.com/java/technologies/downloads/>) and Download it
- Once the download is complete, Double-click the installer file to start the installation.
- Then an installation wizard will open. Now Click "Next" to proceed.



- Now Choose the destination folder for the JDK installation or leave it as the default. Click "Next".



- The installation process will begin and after a while the installation will be finished. Once the installation is finished, click "Close" to exit the wizard.



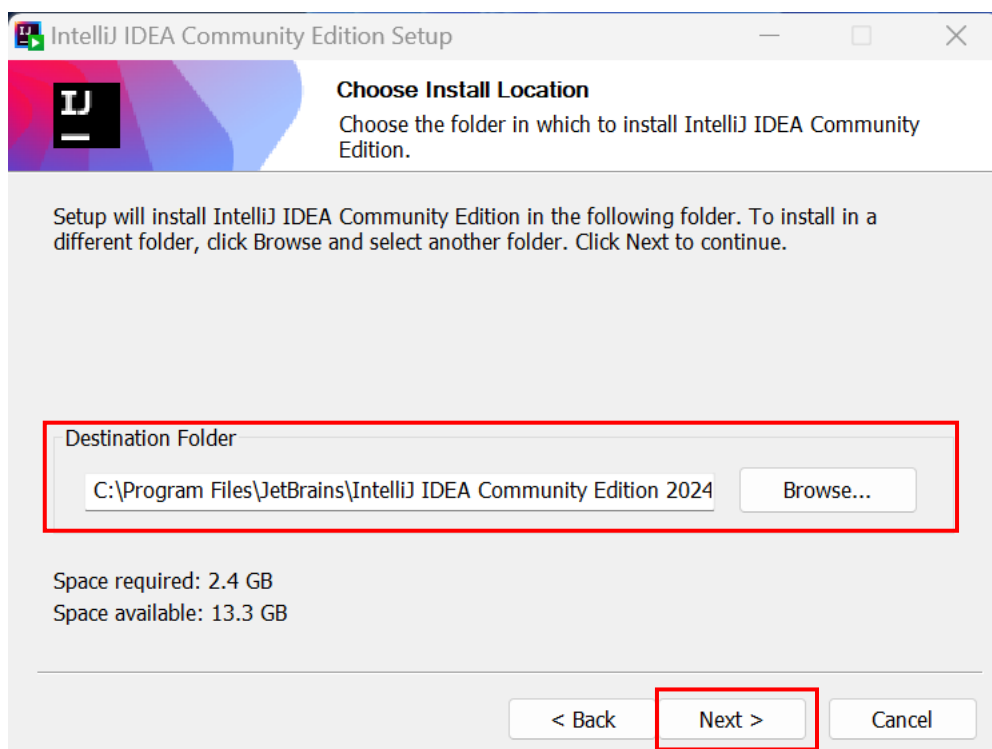
- Now Open Command Prompt and type "java -version" to verify that Java is installed and configured correctly.
- Wow! We have successfully Install the JDK on our PC.

## 2. Download and Installing IntelliJ IDEA

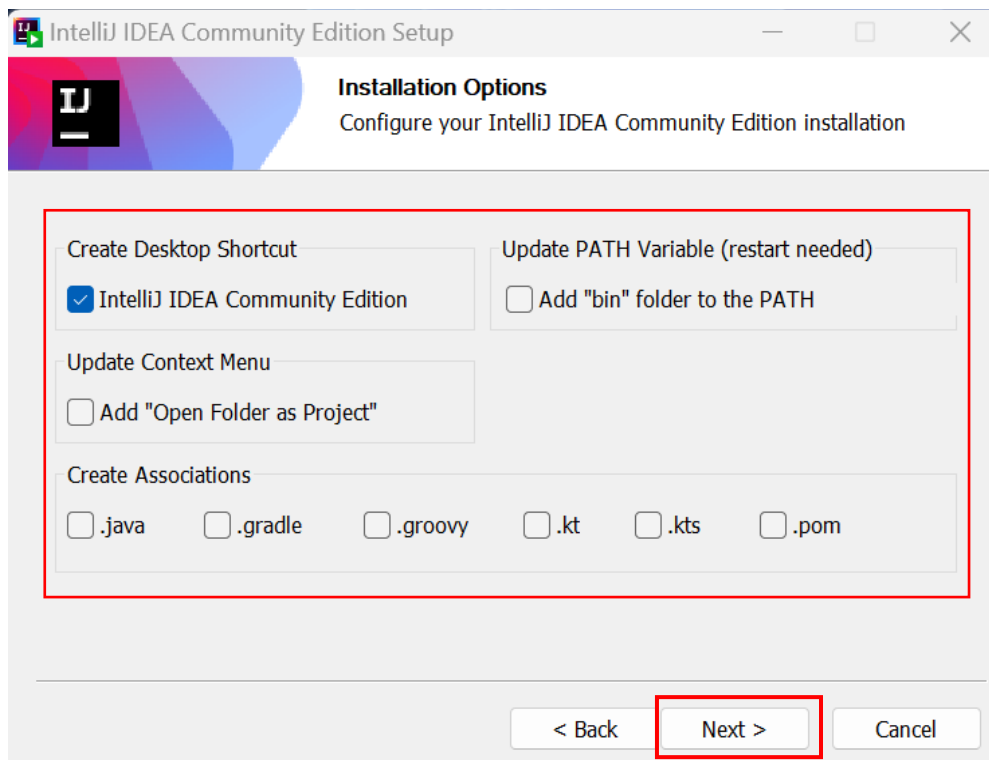
- Visit JetBrains IntelliJ IDEA website( <https://www.jetbrains.com/idea/download/>)
- From there Download the IntelliJ IDEA Community Edition exe File
- Once the download is complete, Double-click the exe file to start the installation.
- An installation wizard will open. Now Click "Next" to proceed



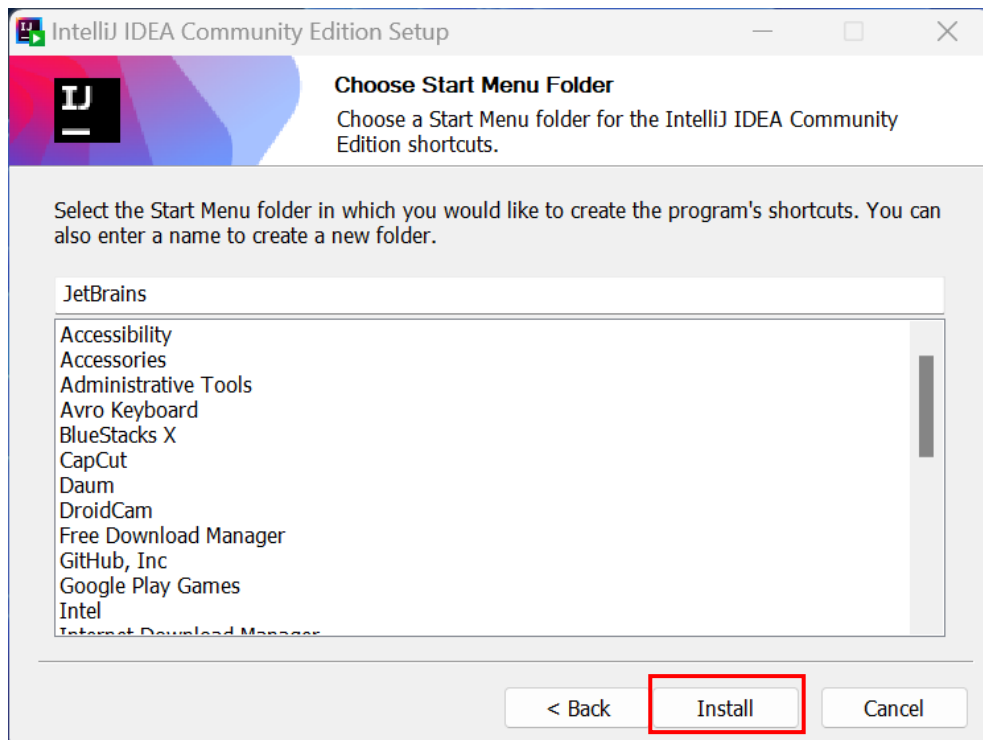
- Now Choose the destination folder for IntelliJ IDEA installation or leave it as the default. Click "Next".



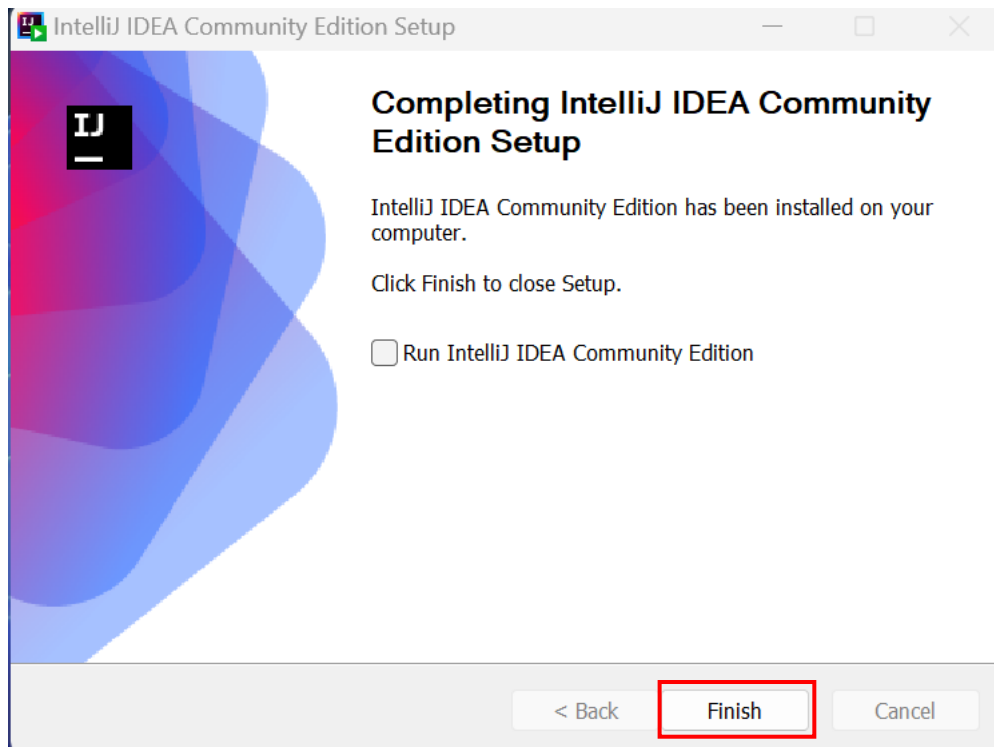
- Now chose your installation option and click "Next".



- Now click on “Install”. It will take some time to install.



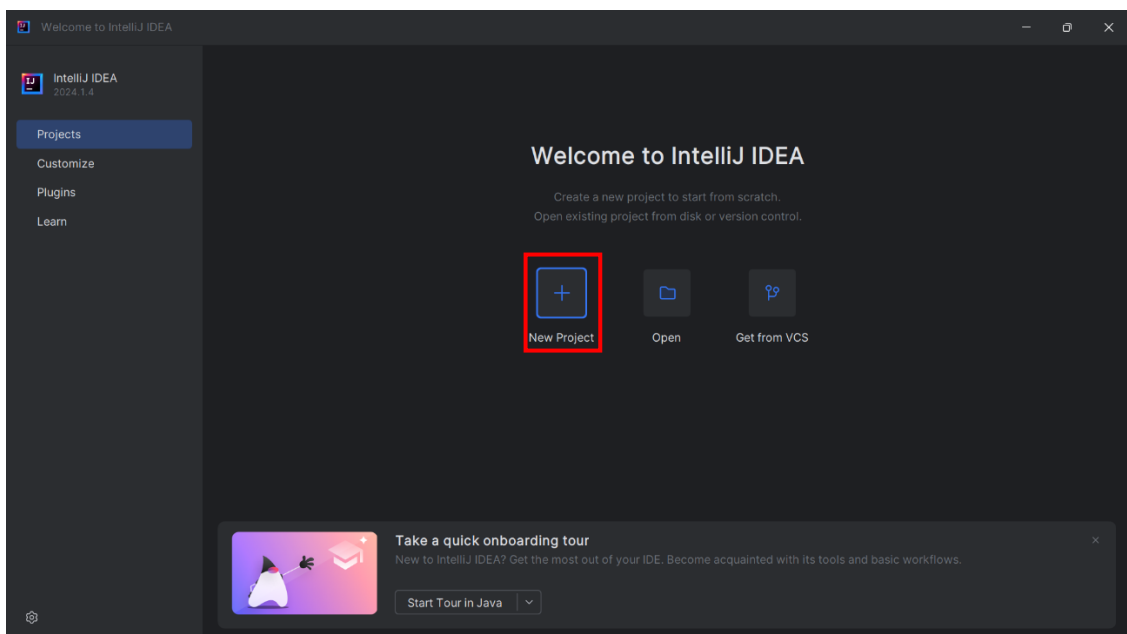
- Once the installation is finished, click "Finish" to exit the wizard.



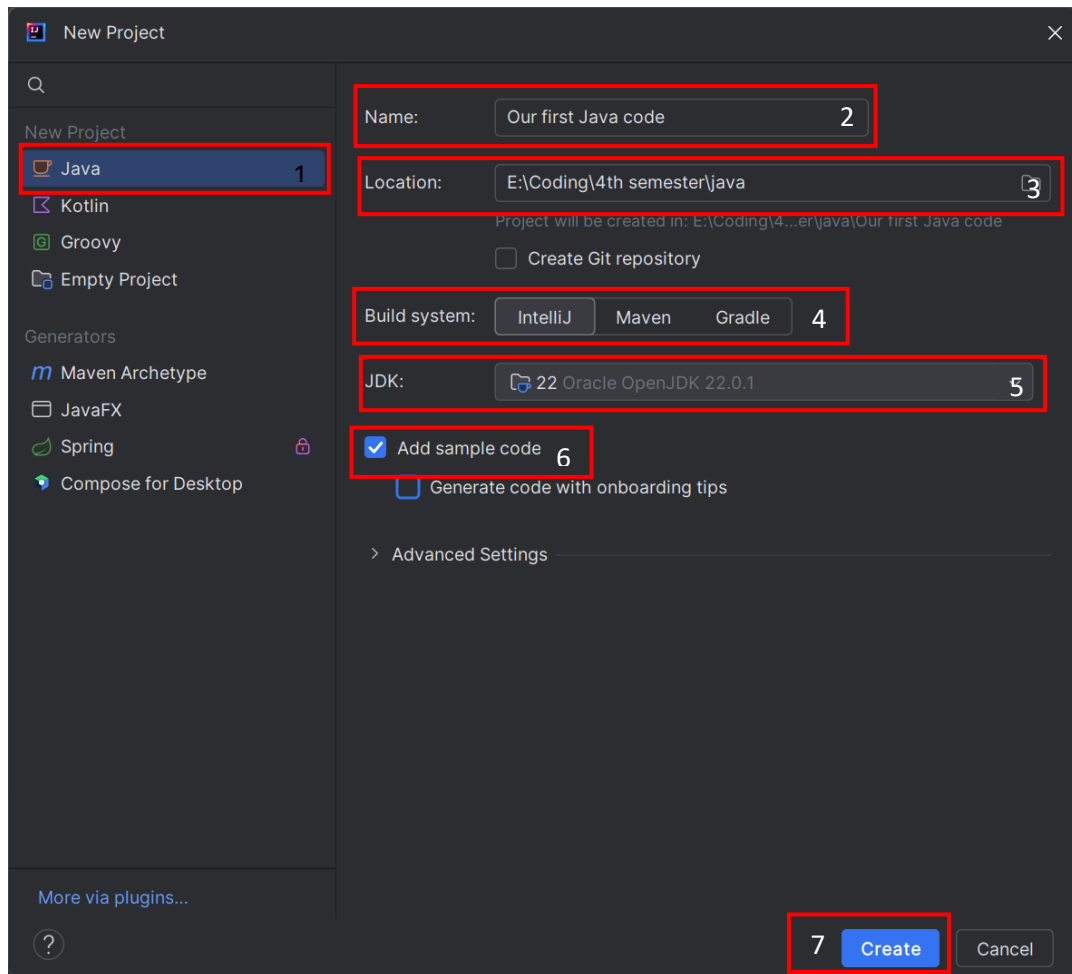
- We have We have successfully Install IntelliJ IDEA on our PC

### 3. Configuring IntelliJ IDEA with JDK

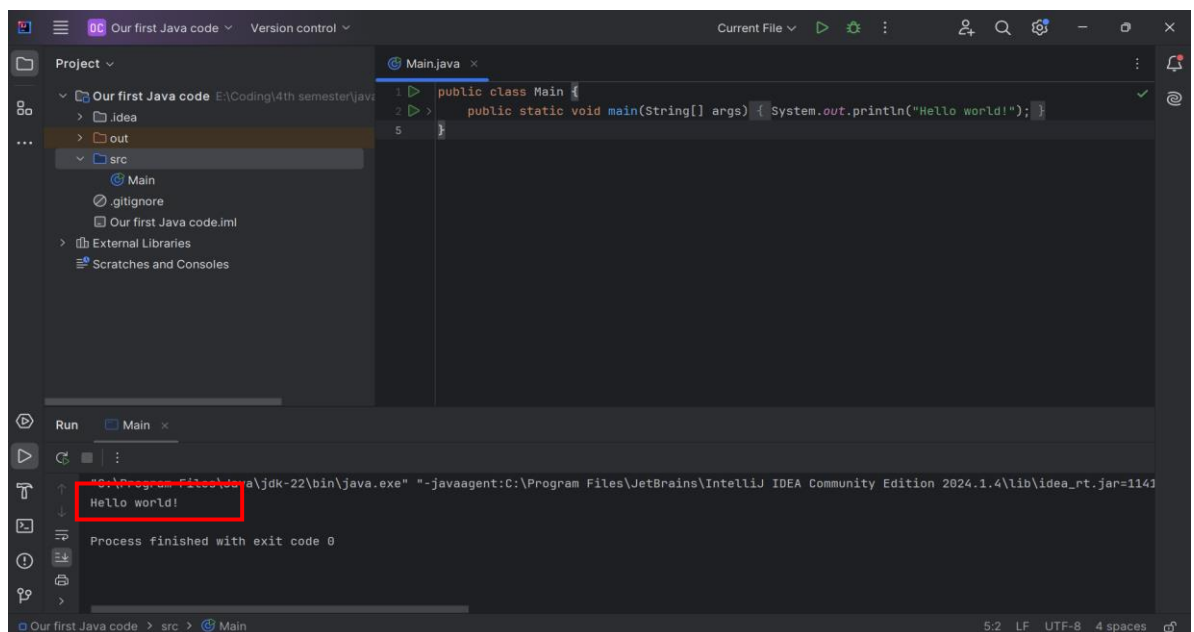
- Open IntelliJ IDEA after installation
- Select "Create New Project" from the welcome screen.



- Select "Java" as the project type. Give project a name, choose a project location, and select the appropriate project SDK and JDK version. Also select Add Sample Code option. Now click "Create"



- We have successfully created our first Java project with sample code.
- Now Run the java code. If everything is configured correctly, you should see the output "Hello World!" in the console.



**Conclusion:**

We have successfully Done Setting Up Java Programming Environment Using JDK and IntelliJ IDEA.  
Now we are ready to develop and run Java applications on our PC.