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Code With Amit

Installation of Java

A Step-by-Step Guide to Install and Set Up Java

On Windows

Step 1: Check if Java is already installed

1. Open **Command Prompt** (search *cmd* in Start menu).
2. Type this command and press Enter:
3. java --version
 - If it shows a version (like *java version "17.x"*), Java is already installed.

```
C:\Users\ajitp>java --version
java 17.0.12 2024-07-16 LTS
Java(TM) SE Runtime Environment (build 17.0.12+8-LTS-286)
Java HotSpot(TM) 64-Bit Server VM (build 17.0.12+8-LTS-286, mixed mode, sharing)
```

- If it says *not recognized*, we need to install Java.

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

Step 2: Download Java JDK

Open our web browser.

Go to **Oracle Java official site:**

<https://www.oracle.com/java/technologies/downloads/>

Choose the latest **JDK (Java Development Kit)** (for example: JDK 17 or JDK 21).

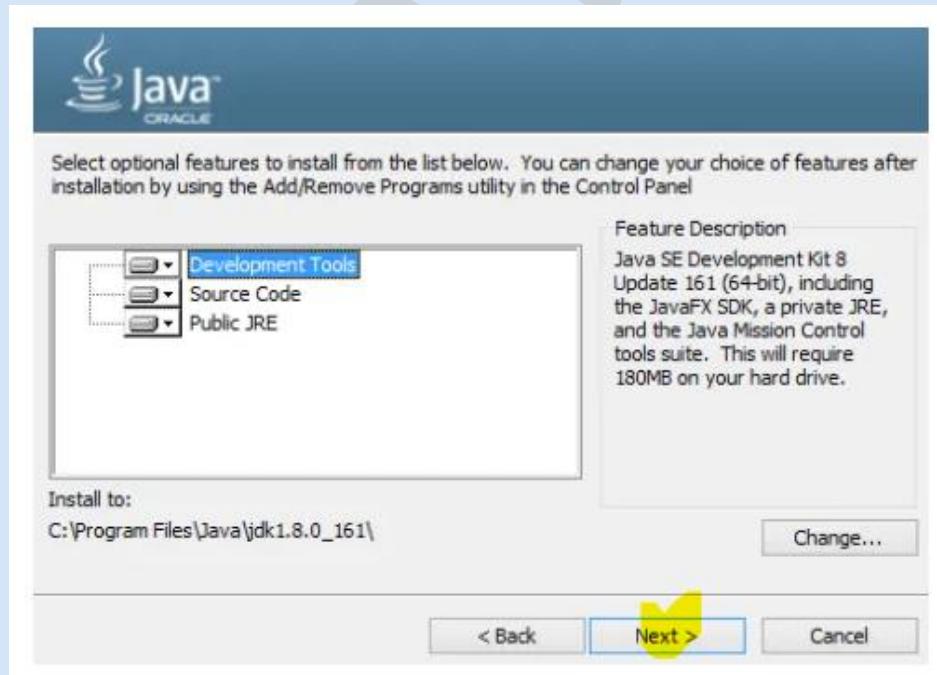
Select **Windows Installer (.exe)** file and download it.

Step 3: Install Java JDK

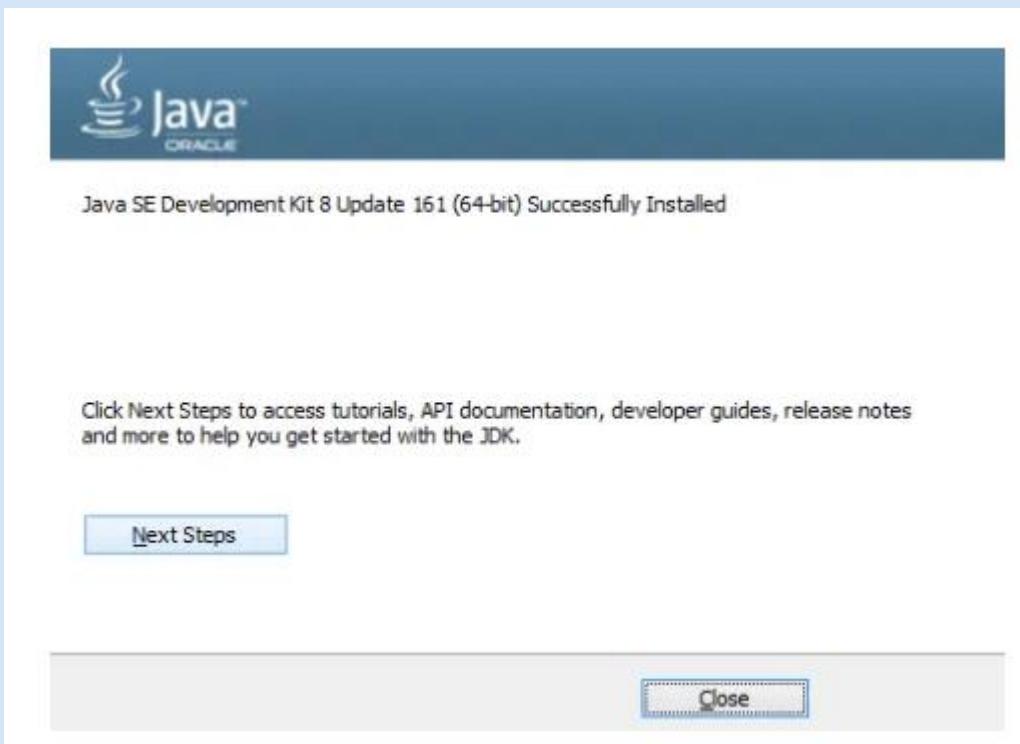
1. After download, **double-click** the installer file.
2. The installer will open → click **Next**.



3. Choose the folder (default is C:\Program Files\Java\jdk-<version>).



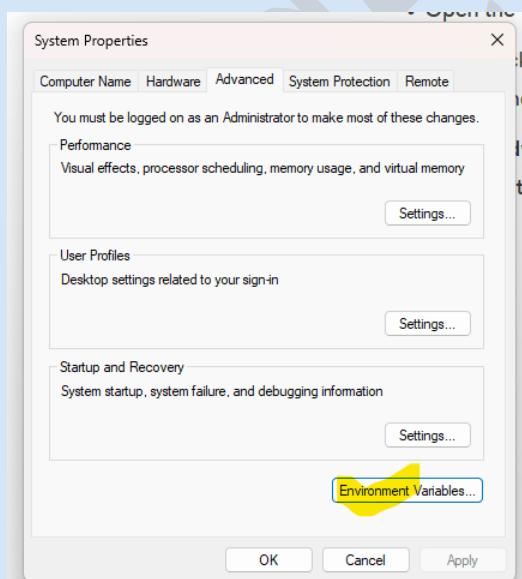
4. Click **Next** → installation will start.
5. When it finishes, click **Close**.



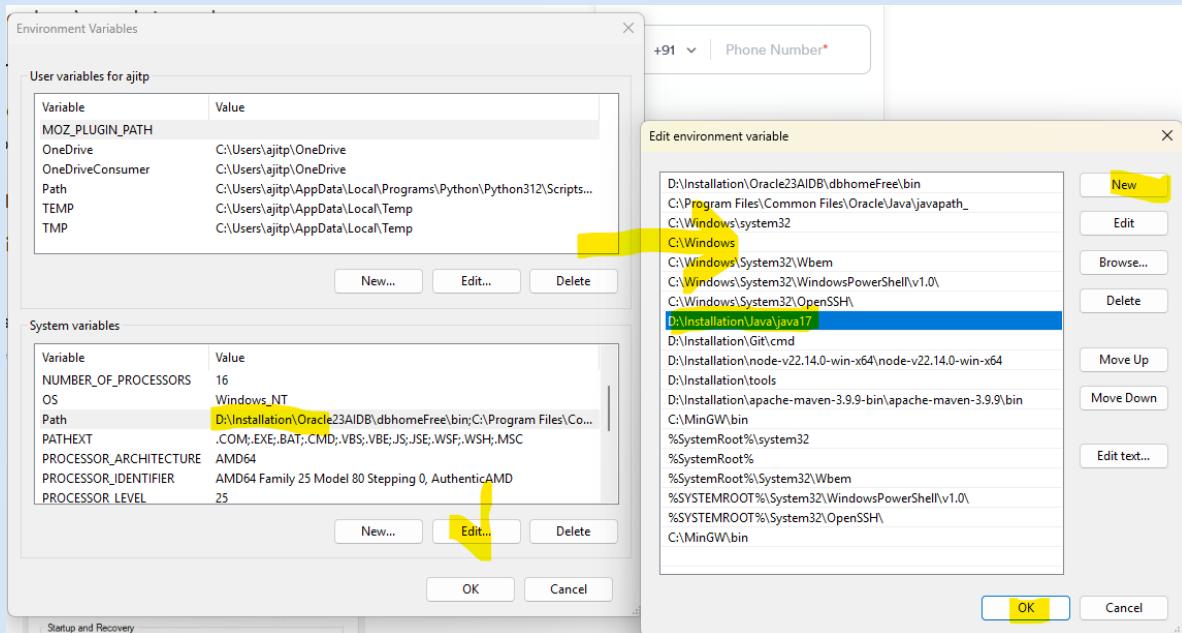
Step 4: Set Environment Variables

This step makes Java work from **anywhere** in Command Prompt.

1. Press **Win + S** → search **Environment Variables** → click **Edit the system environment variables**.



2. In the dialog, click **Environment Variables** button.
3. Under **System Variables**, find **Path** → select → click **Edit**.
4. Click **New** → paste our JDK bin folder path, for example:
5. C:\Program Files\Java\jdk-17\bin
6. Click **OK** on all windows.



7.

Step 5: Verify Installation

1. Open **Command Prompt** again.
2. Type:
3. `java -version`

```
C:\Users\ajitp>java --version
java 17.0.12 2024-07-16 LTS
Java(TM) SE Runtime Environment (build 17.0.12+8-LTS-286)
Java HotSpot(TM) 64-Bit Server VM (build 17.0.12+8-LTS-286, mixed mode, sharing)
```

Thankyou