

Downloading and Installing JAVA

Before you sit in front your computer and start coding, you need to make sure that you and your machine are equipped for writing Java codes. It is strongly advised that you check out the following websites and follow the instructions in downloading the required software that is usually for free:

For Java software download and installation follow the following steps:

1. Go to the website <http://java.com> by typing this in the address bar of your web browser. It will take you to the screen below:



2. Click on the “**FREE JAVA DOWNLOAD**” button. It will take you to this screen:



3. Click on the **“AGREE AND START FREE DOWNLOAD”** button. When your Java download is complete, you have to close all your browsers and reload them to enable the Java installation.
4. Run the downloaded file and you will get the screen below. Just click the **“INSTALL”** button.



- www.oracle.com/technetwork/java/javase/downloads - Download and install the required Java SE documentation (also known as the Javadoc pages or Java SE API Docs)

Next:

1. Go to the website www.oracle.com/technetwork/java/javase/downloads, It will take you to the screen below:



2. Click on this option



3. The next page will ask you to choose the version of Java SE Development Kit you want to download. Make sure you know exactly what operating system you have in your computer or laptop before you start downloading.

The screenshot shows the Oracle Java SE Development Kit 8 Downloads page. The page has a red header with the Oracle logo and navigation links like "Products", "Solutions", "Downloads", "Store", "Support", "Training", "Partners", "About", and "OTN". The main content area is titled "Java SE Development Kit 8 Downloads" and includes a "See also" section with links to "Java Developer Newsletter", "Java Developer Day", and "Java Magazine". Below this is a section for "Java SE Development Kit 8u65" with a license agreement and a table of download links for various operating systems.

Product / File Description	File Size	Download
Linux ARM v6/v7 Hard Float ABI	77.69 MB	jdk-8u65-linux-arm32-vfp-hflt.tar.gz
Linux ARM v8 Hard Float ABI	74.66 MB	jdk-8u65-linux-arm64-vfp-hflt.tar.gz
Linux x86	154.67 MB	jdk-8u65-linux-i586.rpm
Linux x86	174.84 MB	jdk-8u65-linux-i586.tar.gz
Linux x64	152.69 MB	jdk-8u65-linux-x64.rpm

4. To check the version of your operating system, you can go to the SYSTEMS or PC INFO settings of your computer/laptop.
5. Open the downloaded program to complete the installation of your Java SE Development Kit. Ensure that you read and follow the steps carefully.



- <http://eclipse.org/downloads> - Download and install the Eclipse program you need

Then;

1. Go to the website <http://eclipse.org/downloads> by typing this in the address bar of your web browser. It will take you to the screen below:



2. Choose the appropriate version of Eclipse based on your computer's operating system. For a 64-bit Windows operating system (OS), you will get the screen below:

Eclipse downloads - Select a mirror

All downloads are provided under the terms and conditions of the [Eclipse Foundation Software User Agreement](#) unless otherwise specified.

Download from: **Taiwan - Computer Center, Shu-Te University (http)**

File: eclipse-inst-win64.exe

Checksums: MD5 SHA1

[DOWNLOAD](#)

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IBM

Blazingly fast downloads hosted by IBM Bluemix.

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Obeo

Download the latest Eclipse easily and discover how to create your OWN modeling solutions.

[DOWNLOAD](#)

BLU AGE

Free and fast direct Eclipse downloads. Get

Sirius

The Easiest Way to Get Your Own Modeling Tool

[DOWNLOAD NOW](#)

OTHER OPTIONS FOR THIS FILE

- All mirrors (xml)
- Direct link to file (download starts immediately from best mirror)

RELATED LINKS

- Friends of Eclipse
- Becoming a mirror site

Choose a mirror close to you

Asia

Japan - Yamagata University

Korea, Republic Of - KAIST

3. After downloading, open the program and you will get the screen below:



4. Just choose “**ECLIPSE IDE FOR JAVA DEVELOPERS**” option and then click the “**INSTALL**” button. Make sure you accept the “**ECLIPSE FOUNDATION SOFTWARE USER AGREEMENT.**”



After downloading and installing the programs, make sure you do the initial setup to run the program.

JAVA Initial Setup

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 Command Prompt (cmd.exe):

```
C:\Users\Ankit>java -version
```

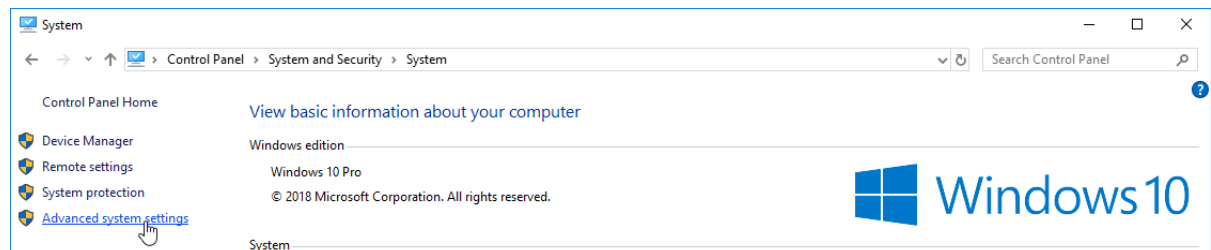
If Java is installed, you will see something like this (depending on version):

```
java version "11.0.1" 2018-10-16 LTS
Java(TM) SE Runtime Environment 18.9 (build 11.0.1+13-LTS)
Java HotSpot(TM) 64-Bit Server VM 18.9 (build 11.0.1+13-LTS,
mixed mode)
```

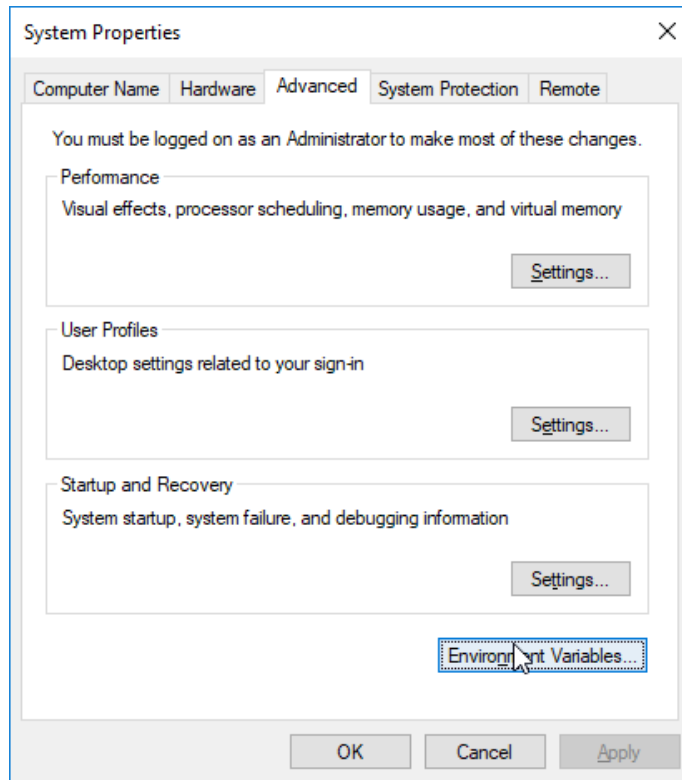
If you do not have Java installed on your computer, you can download and install the same as guided above.

Steps for setup:

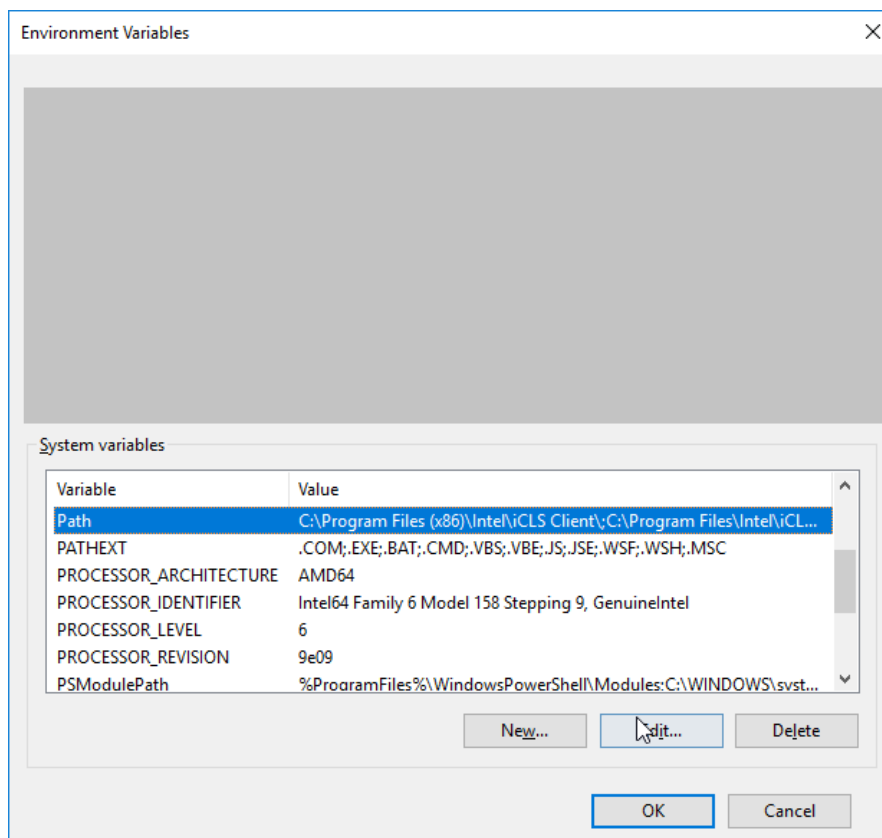
1. Go to "System Properties" (Can be found on Control Panel > System and Security > System > Advanced System Settings)



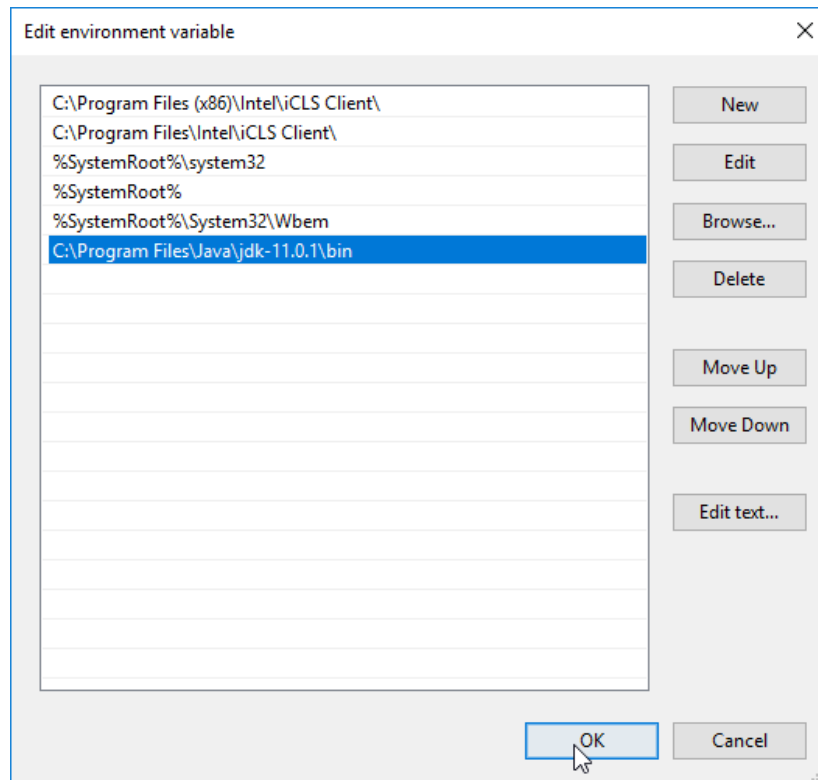
2. Click on the "Environment variables" button under the "Advanced" tab



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



4. Click on the "New" button and add the path where Java is installed, followed by **\bin**. By default, Java is installed in C:\Program Files\Java\jdk-11.0.1 (If nothing else was specified when you installed it). In that case, You will have to add a new path with: **C:\ProgramFiles\Java\jdk-11.0.1\bin**
Then, click "OK", and save the settings



5. At last, open Command Prompt (cmd.exe) and type **java -version** to see if Java is running on your machine