

# Java and Eclipse IDE Installation

---

Installation Guide on Windows

edureka!

**edureka!**

© Brain4ce Education Solutions Pvt. Ltd.

# Java and Eclipse IDE Installation

## Installation Guide

## Table of Contents

Installing JDK .....	2
Installing Eclipse IDE.....	11
Troubleshooting:.....	12

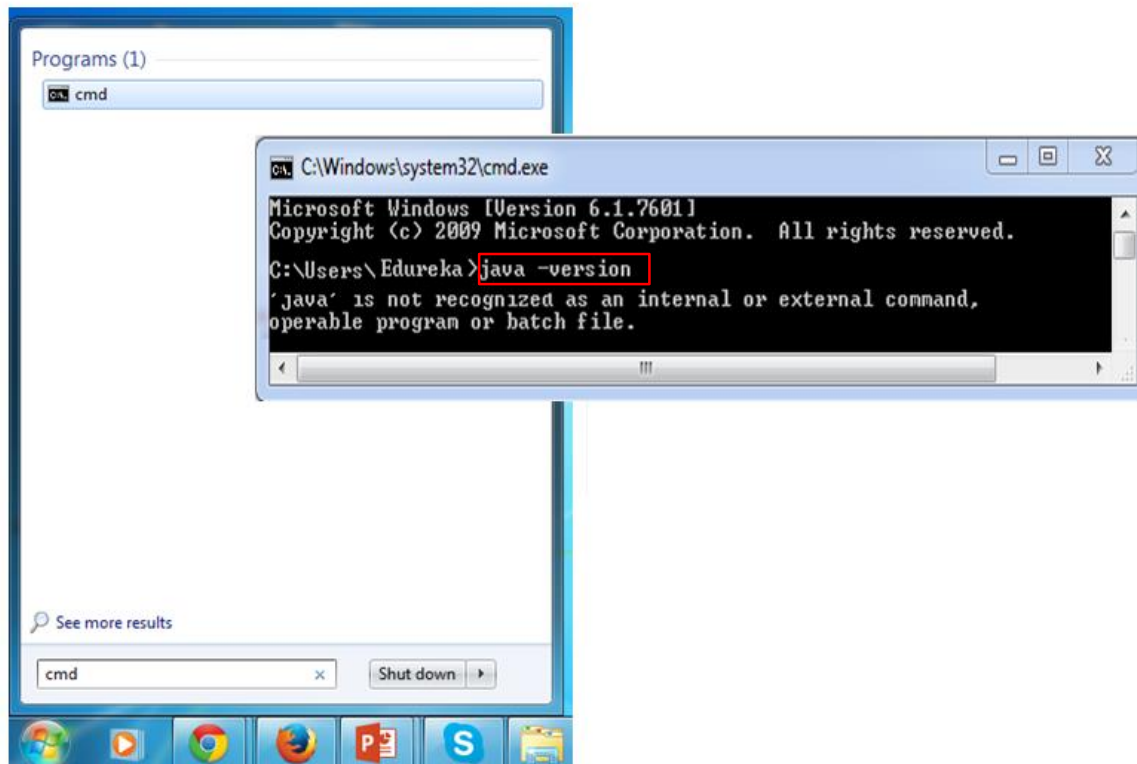
edureka!

## Installing JDK

**Step 0:** Before you proceed to install Java,

Go to Start → Search for cmd → Type java -version

To check if Java is pre-installed and configured in your system.



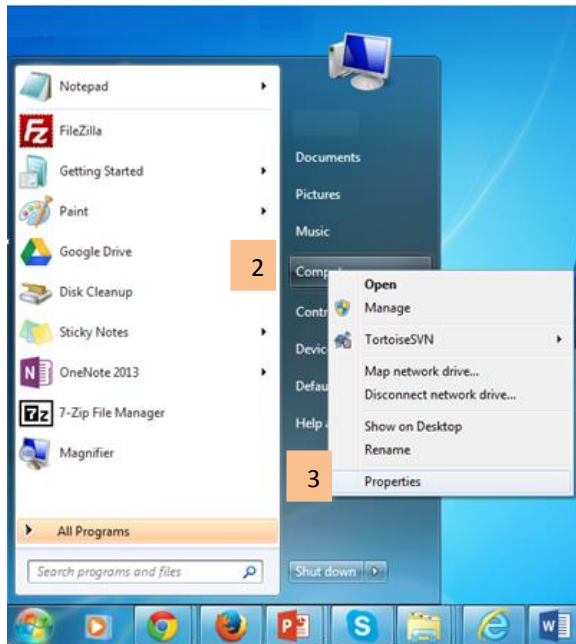
If Java is not pre-installed in your system then follow below steps to install Java

Note: Before downloading Java check your OS is 64 bit or 32 bit.

Follow below steps to check your OS.

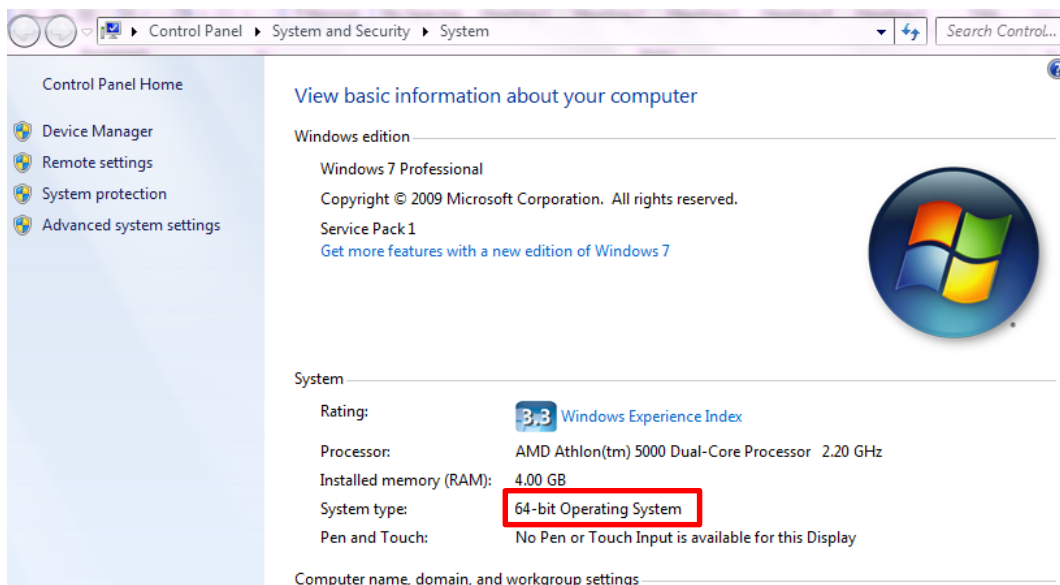
If you are using Windows system:

Click on “start” or press “windows key” → right click on “Computer” → select “Properties”.



1

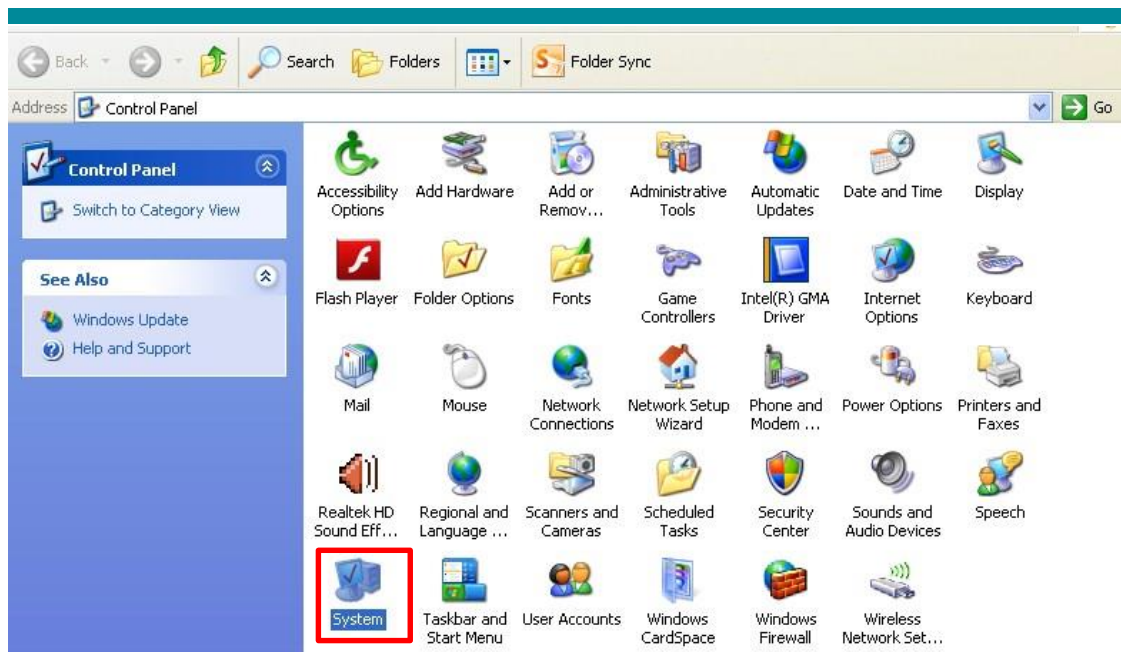
Here you will find the System settings as below:



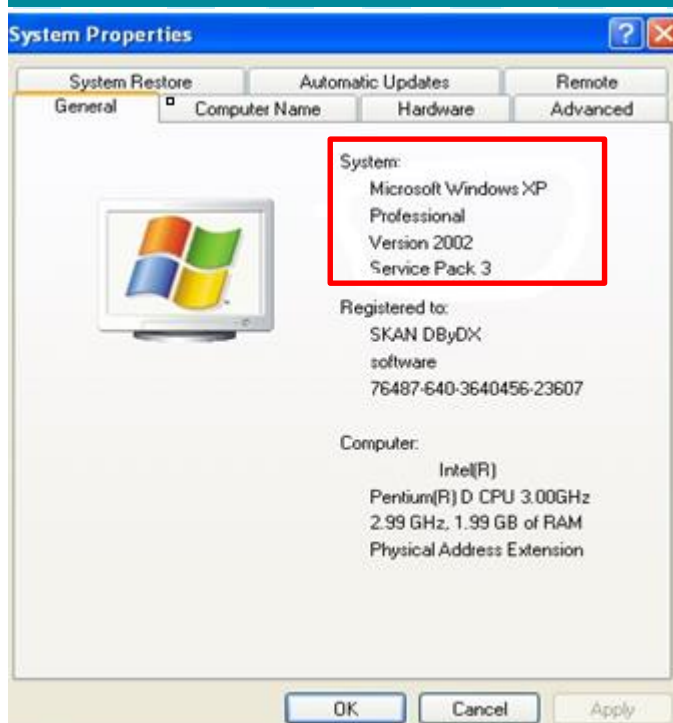
From the above window you can find out whether your machine is 64 bit or 32 bit machine.

On a **Windows XP OS** follow the following steps:

From the start menu → Go to Control Panel → Go to System.



Here you will find the System settings as below:



**Step 1:** Go to the URL <http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>

**Step 2:** Choose the appropriate option that is as per the machine you are installing the JDK viz. 32 bit machine or 64 bit machine. Accept License Agreement and then click on download under the JDK section.

### Java SE Development Kit 8u60

You must accept the [Oracle Binary Code License Agreement for Java SE](#) to download this software.

Thank you for accepting the [Oracle Binary Code License Agreement for Java SE](#); you may now download this software.

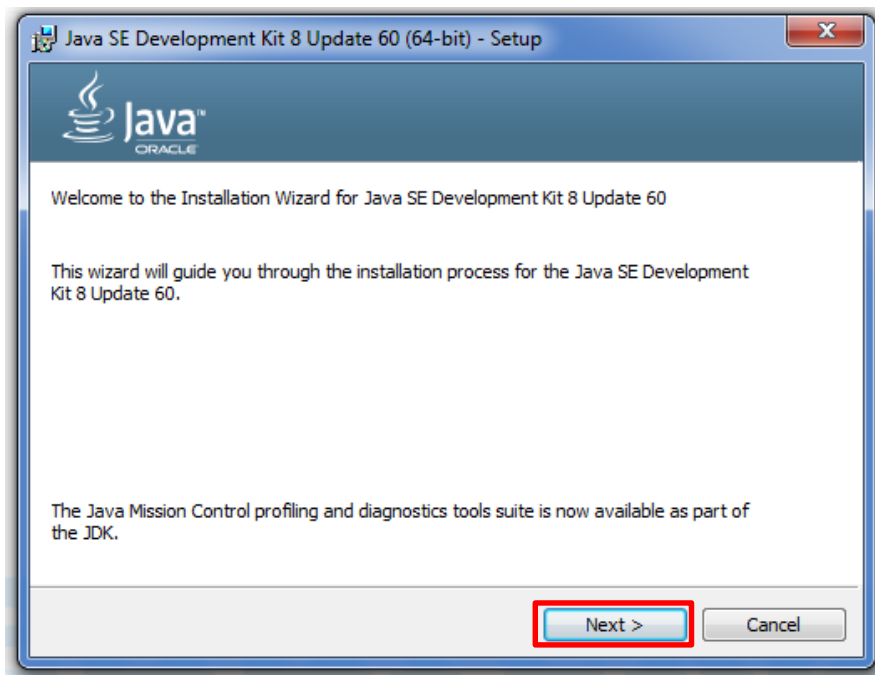
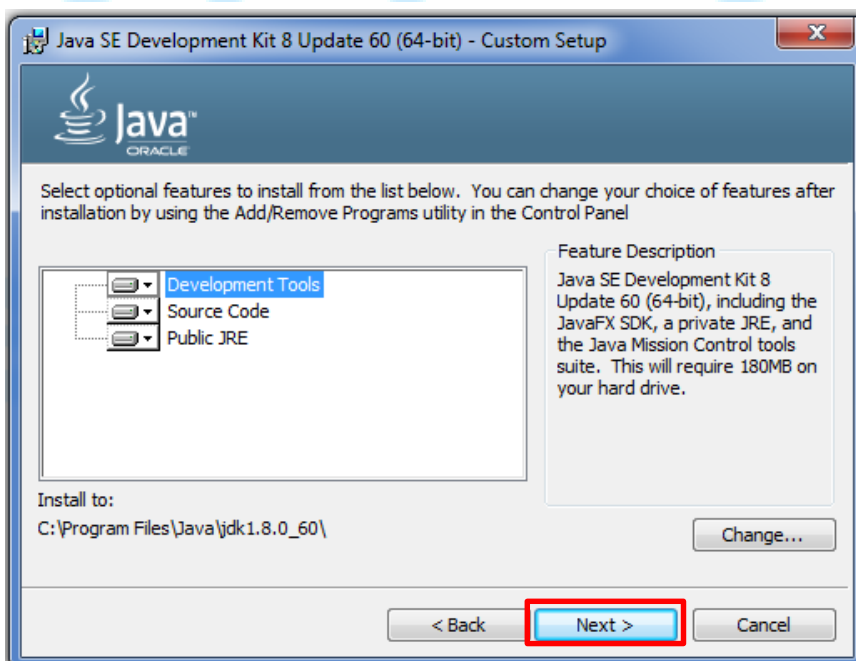
Product / File Description	File Size	Download
Linux ARM v6/v7 Hard Float ABI	77.69 MB	<a href="#">jdk-8u60-linux-arm32-vfp-hflt.tar.gz</a>
Linux ARM v8 Hard Float ABI	74.64 MB	<a href="#">jdk-8u60-linux-arm64-vfp-hflt.tar.gz</a>
Linux x86	154.66 MB	<a href="#">jdk-8u60-linux-i586.rpm</a>
Linux x86	174.83 MB	<a href="#">jdk-8u60-linux-i586.tar.gz</a>
Linux x64	152.67 MB	<a href="#">jdk-8u60-linux-x64.rpm</a>
Linux x64	172.84 MB	<a href="#">jdk-8u60-linux-x64.tar.gz</a>
Mac OS X x64	227.07 MB	<a href="#">jdk-8u60-macosx-x64.dmg</a>
Solaris SPARC 64-bit (SVR4 package)	139.67 MB	<a href="#">jdk-8u60-solaris-sparcv9.tar.Z</a>
Solaris SPARC 64-bit	99.02 MB	<a href="#">jdk-8u60-solaris-sparcv9.tar.gz</a>
Solaris x64 (SVR4 package)	140.18 MB	<a href="#">jdk-8u60-solaris-x64.tar.Z</a>
Solaris x64	96.71 MB	<a href="#">jdk-8u60-solaris-x64.tar.gz</a>
Windows x86	180.82 MB	<a href="#">jdk-8u60-windows-i586.exe</a>
Windows x64	186.16 MB	<a href="#">jdk-8u60-windows-x64.exe</a>

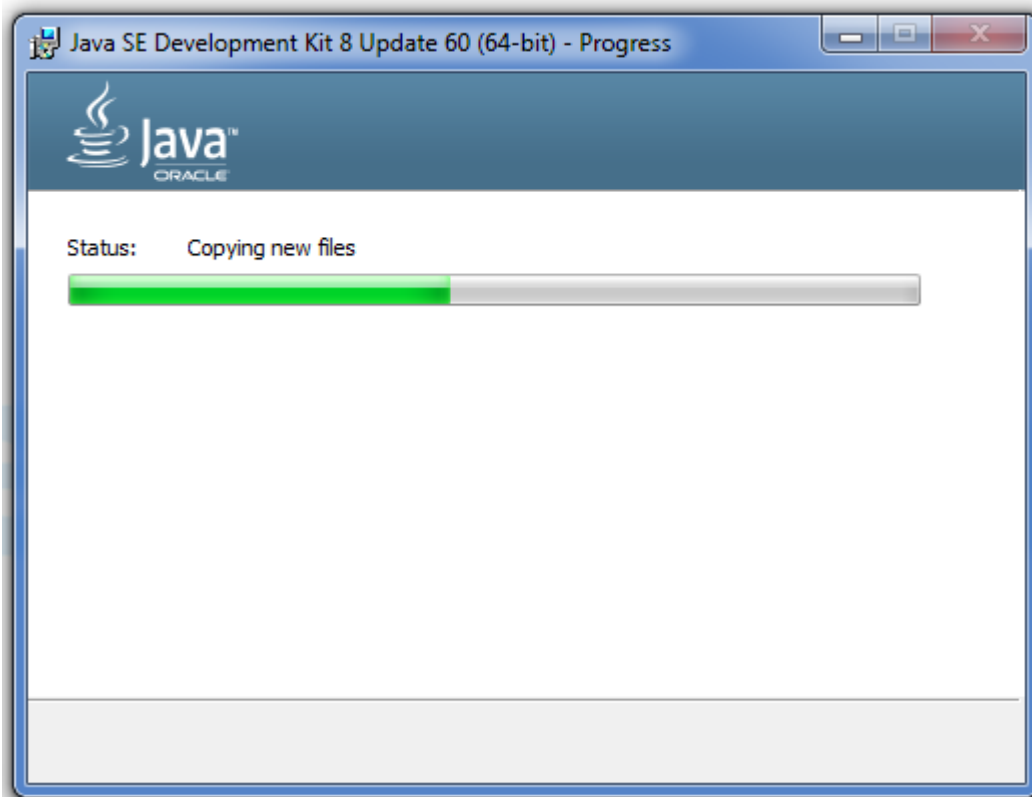
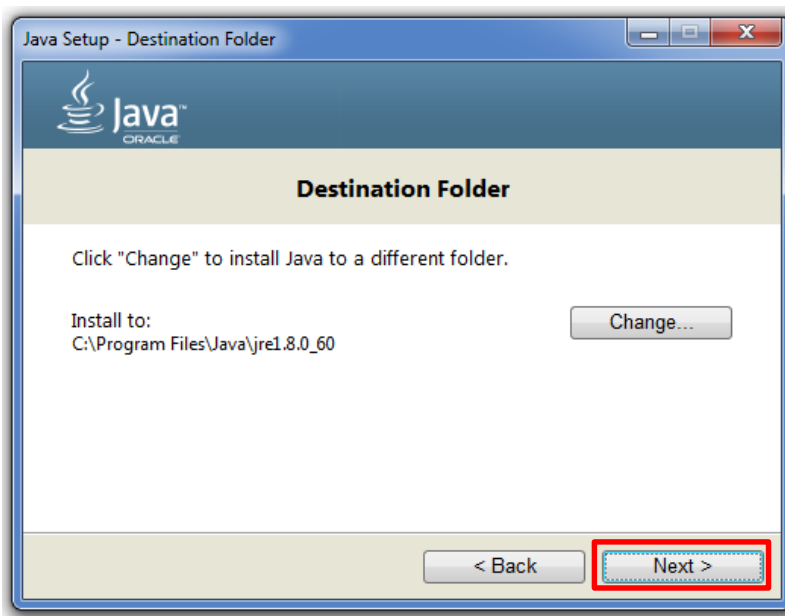
Windows 32 - bit

Windows 64 - bit

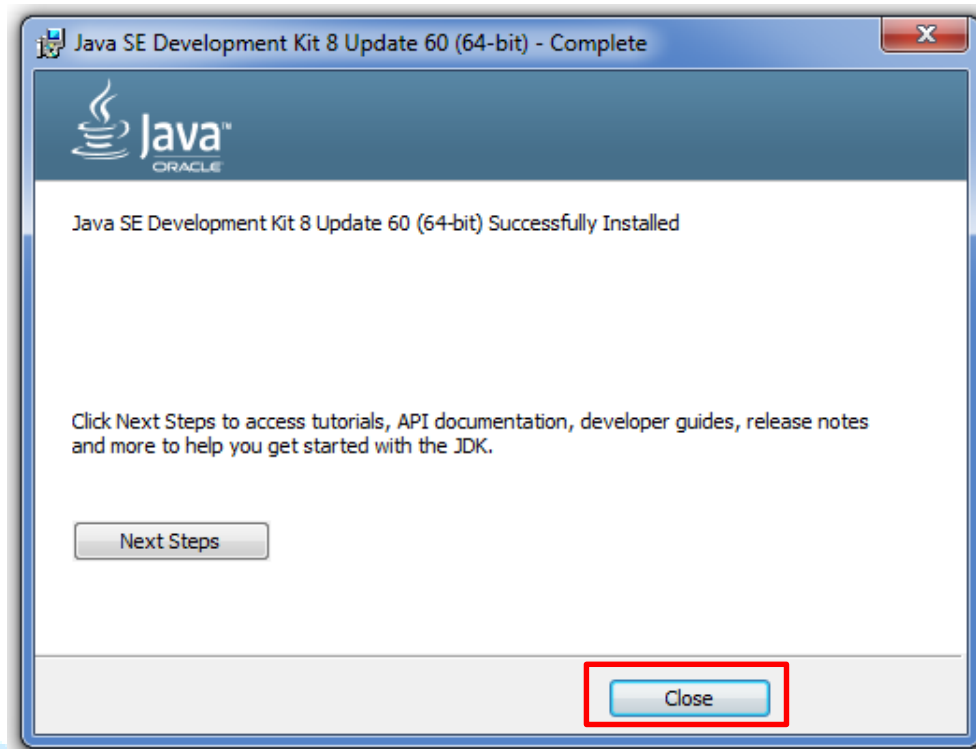
**Step 3:** Once you downloaded the Java SE Development Kit click on the downloaded .exe file to start the installation



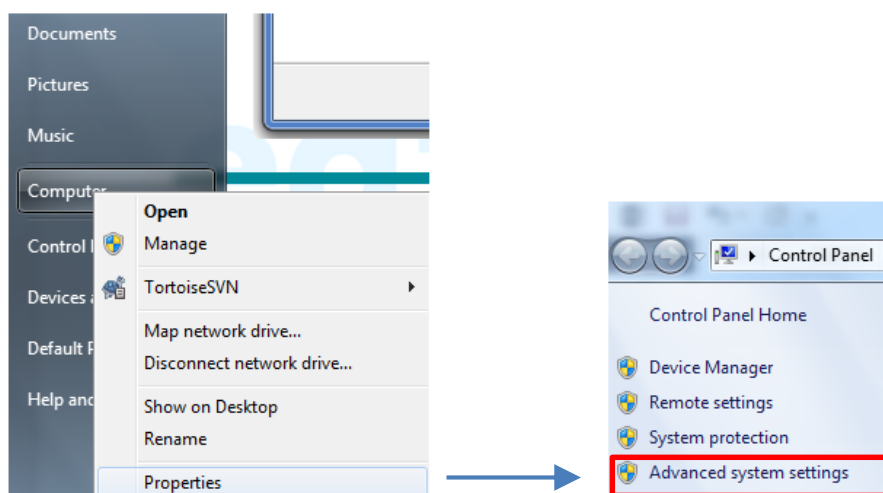
**Step 4: Click Next****Step 5: Click Next**

**Step 6:** Click Next**Step 7:** Click Next

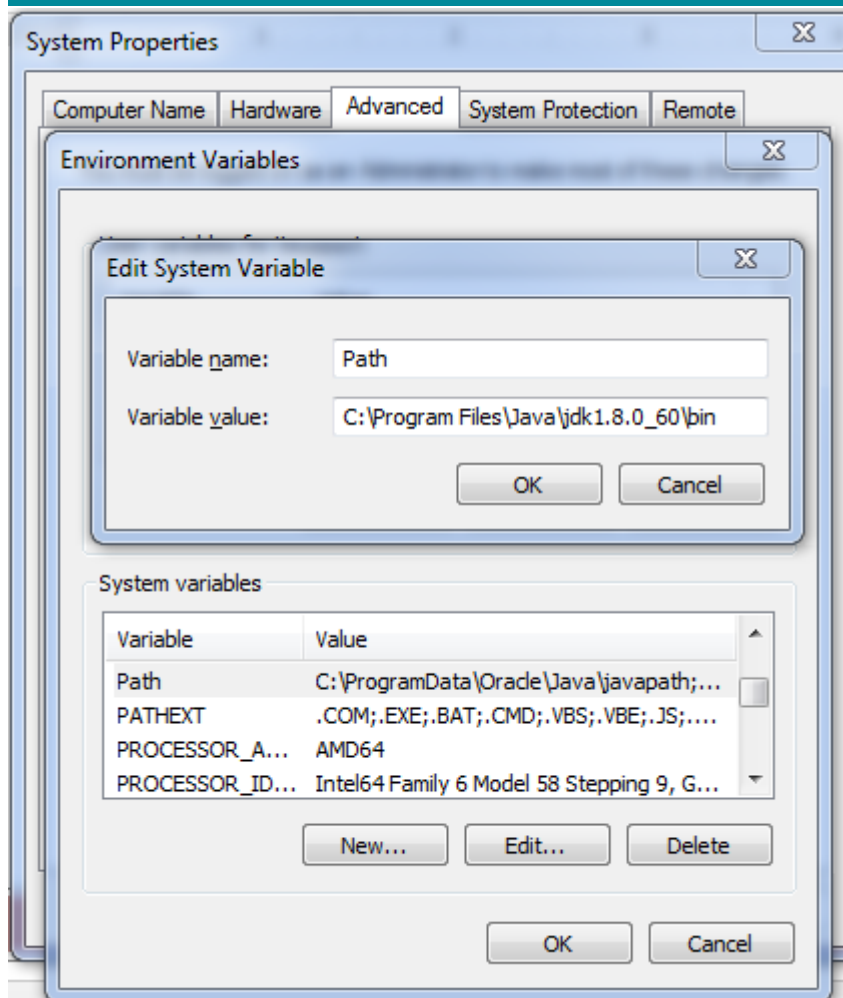


**Step 8:** Click Close**Step 9:** Now follow below steps to set the path variable

- » After completion of Java Installation, set the Environment variable
- » Go to My Computer from the startup menu → Right click on Computer → Go to Properties → Go to Advanced System Settings

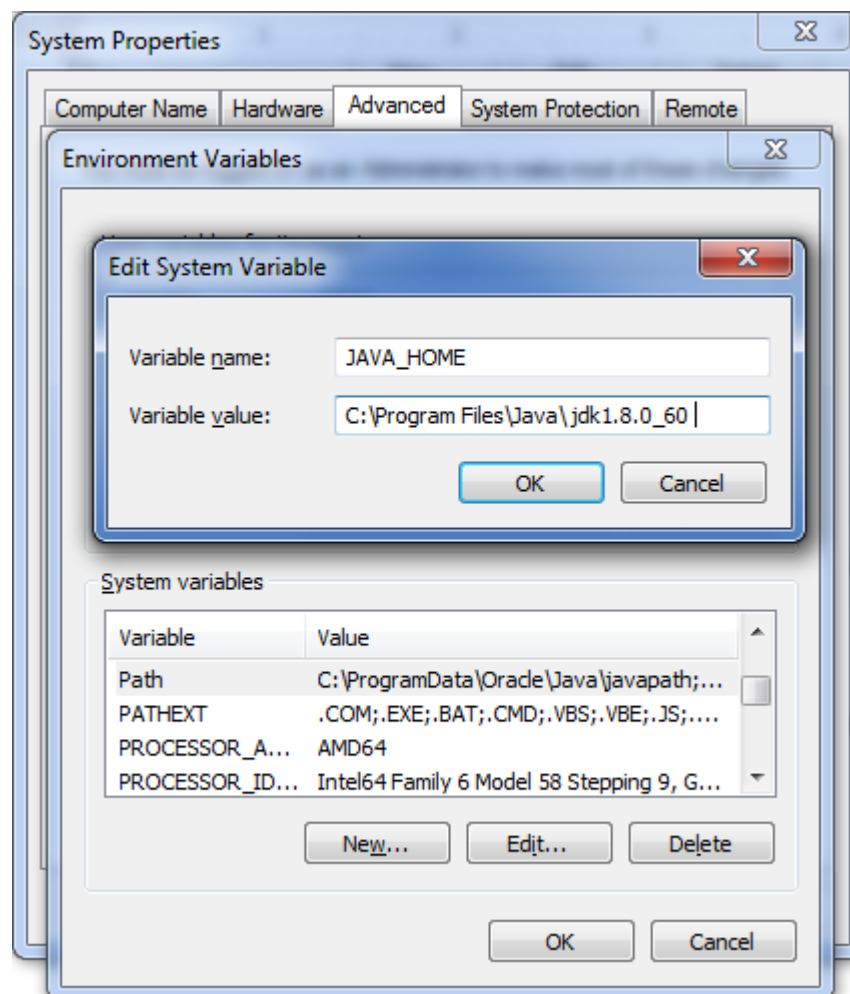


- » From the Popup → Go to Environment Variables
- » Click on Add
- » Name the Environment Variable as **Path**
- » Place the value of the JDK installation folder on your machine till the folder's bin directory. For ex: "C:\Program Files\Java\jdk1.8.0\_60\bin"



**Step 10:** Create another environment variable name it as **JAVA\_HOME** and set the variable values as "C:\Program Files\Java\jdk1.8.0\_60" i.e. excluding the bin directory.

---



After creating Environment variables, JDK installation process is completed.

---

## Installing Eclipse IDE

We recommend using Eclipse IDE for Java Developers. Before downloading Eclipse IDE check your OS is 64 bit or 32 bit.

**Step 1:** Using below link download "Eclipse IDE for Java Developers (92 MB)"

<http://www.eclipse.org/downloads/>

Eclipse Luna (4.4) Release for Windows

**Eclipse Standard 4.4**, 206 MB  
Downloaded 1,995,122 Times [Other Downloads](#)

Standard Eclipse package suited for Java and plug-in development plus adding new plugins; already includes Git, Marketplace Client, source code and...

**Eclipse IDE for Java EE Developers**, 259 MB  
Downloaded 1,225,008 Times

Tools for Java developers creating Java EE and Web applications, including a Java IDE, tools for Java EE, JPA, JSF, Mylyn...

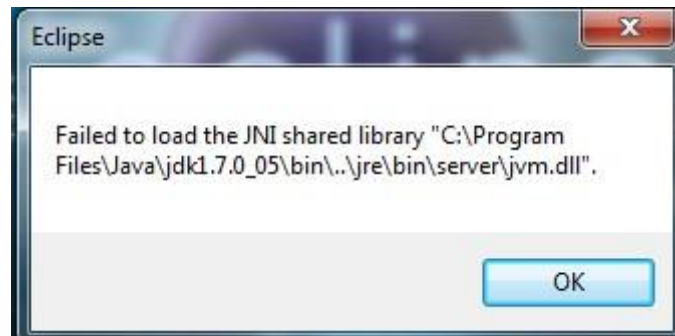
**Step 2:** Extract the downloaded eclipse zip , you will be able to see below folder structure on eclipse zip extraction

Name	Date modified	Type	Size
configuration	27-08-2014 11:44	File folder	
dropins	12-06-2014 09:38	File folder	
features	12-06-2014 09:38	File folder	
p2	12-06-2014 09:37	File folder	
plugins	12-06-2014 09:38	File folder	
readme	12-06-2014 09:38	File folder	
.eclipseproduct	05-06-2014 01:36	ECLIPSEPRODUCT...	1 KB
artifacts	12-06-2014 09:38	XML Document	118 KB
eclipse	12-06-2014 09:38	Application	313 KB
eclipse	28-07-2014 11:58	Configuration sett...	1 KB
eclipsec	12-06-2014 09:38	Application	26 KB
epl-v10	05-06-2014 01:43	HTML File	13 KB
notice	05-06-2014 01:36	HTML File	9 KB

**Step 3:** Double click the eclipse.exe (with Eclipse symbol) to start the eclipse IDE

### Troubleshooting:

If you are finding below error after the JDK installation. Then you might have downloaded wrong software i.e. the Eclipse IDE and the JDK are incompatible.



An Example can be that the JDK was downloaded for 64 bit machine and Eclipse for a 32 bit machine or Vice versa or both could not be downloaded for the targeted machine.

In order to resolve this Uninstall of JDK from Add/Remove Programs and download a new Eclipse and JDK for the Target Machine (64 bit or 32 bit) and follow the steps as mentioned from the beginning of the document.