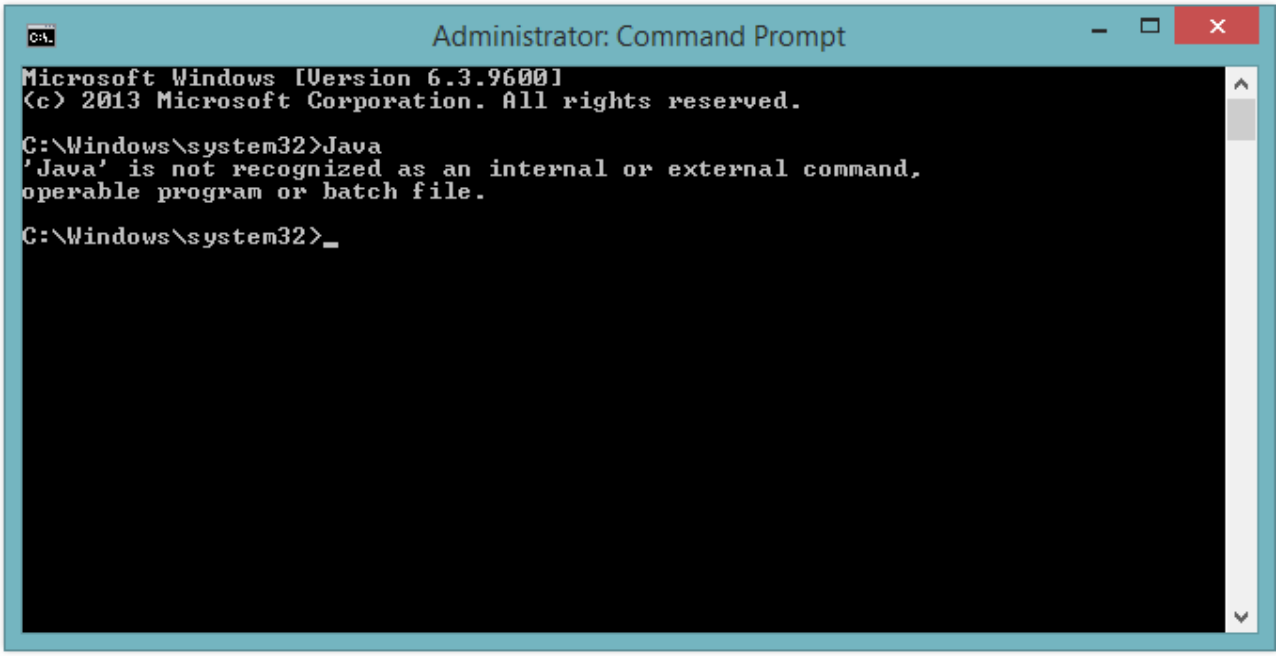
Following are the instructions to install Java and Eclipse Luna:

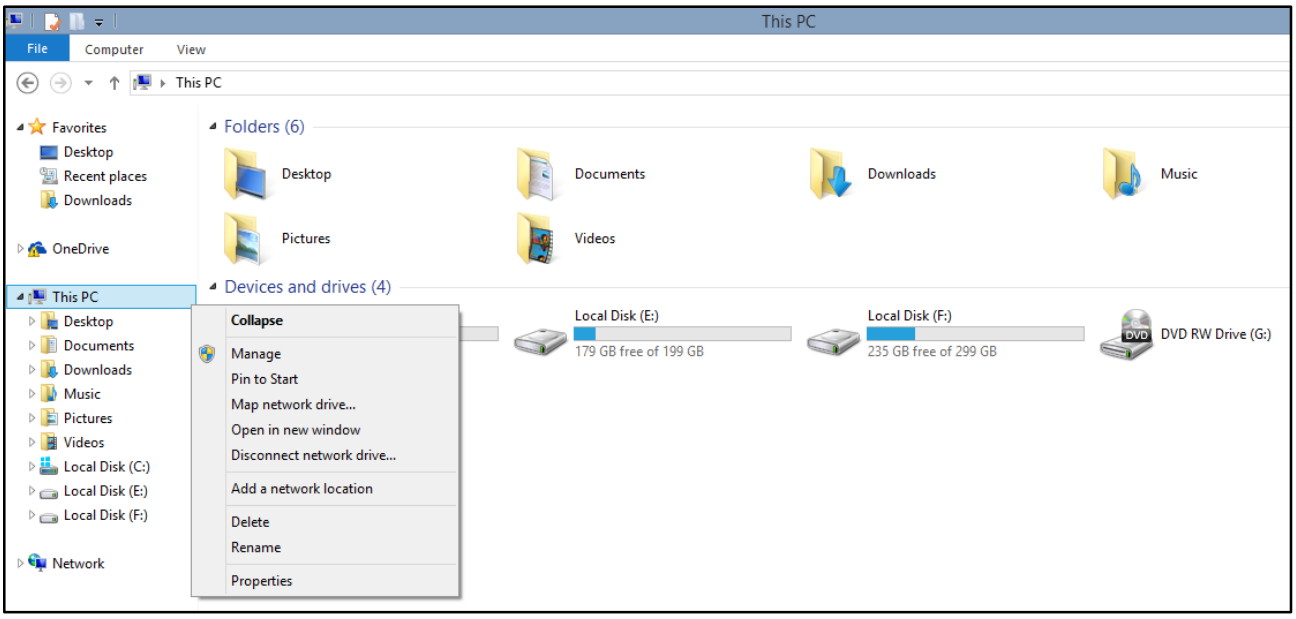
1. First check whether Java is installed in our system or not.

2. Open command prompt and type Java,

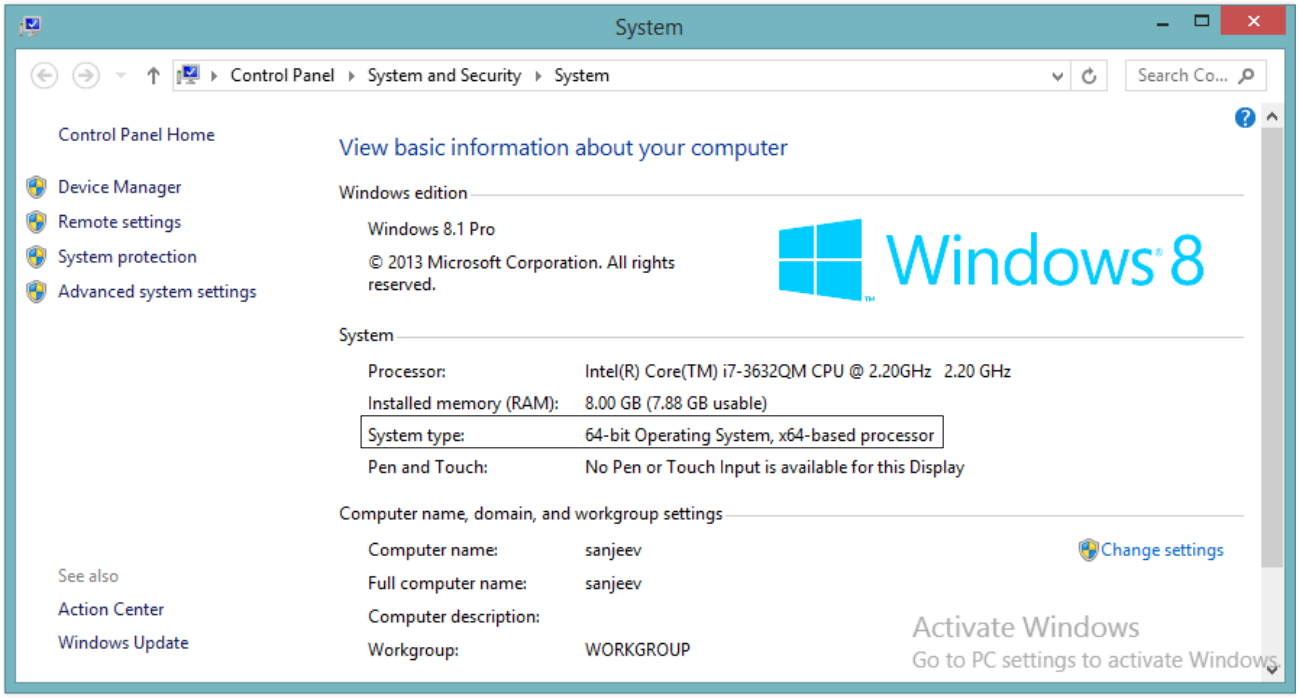


If it shows the above message then we need to install Java.

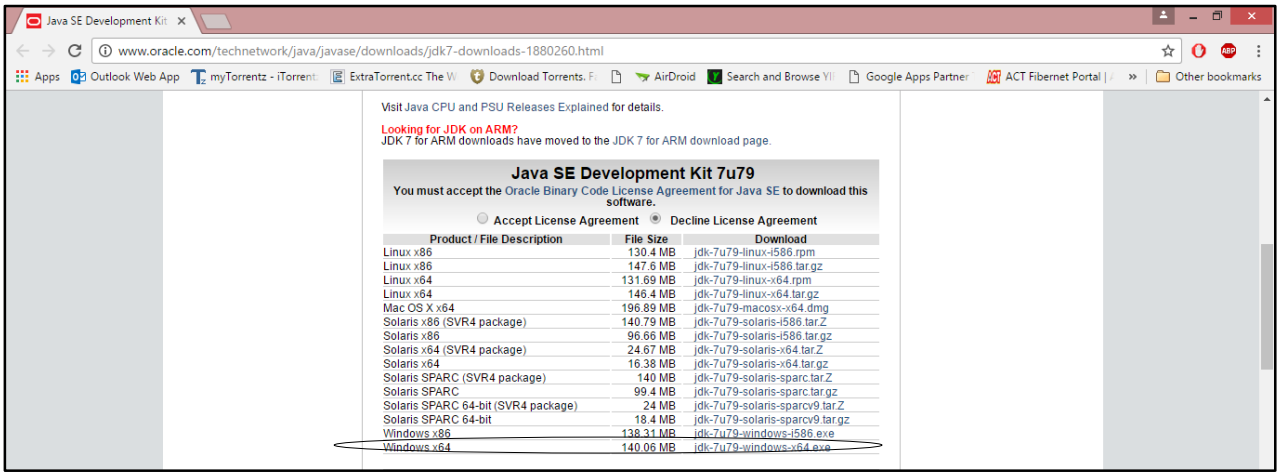
3. Before downloading Java check whether we have 32 bit/64 bit windows operating system. Right click on My Computer/PC, then go for properties.



4. Now the window will pop up with system information. Check for System type, consider here it is 64-bit operating system.

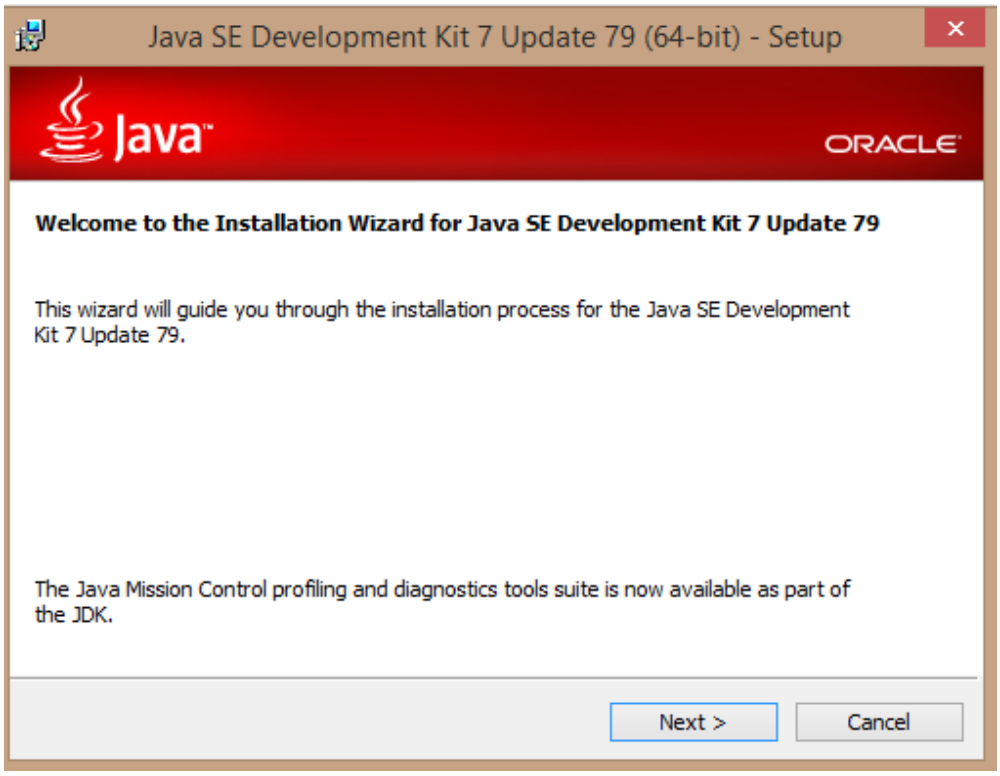


5. Now download Java from the below link, http://www.oracle.com/technetwork/java/javase/downloads/jdk7-downloads-1880260.html

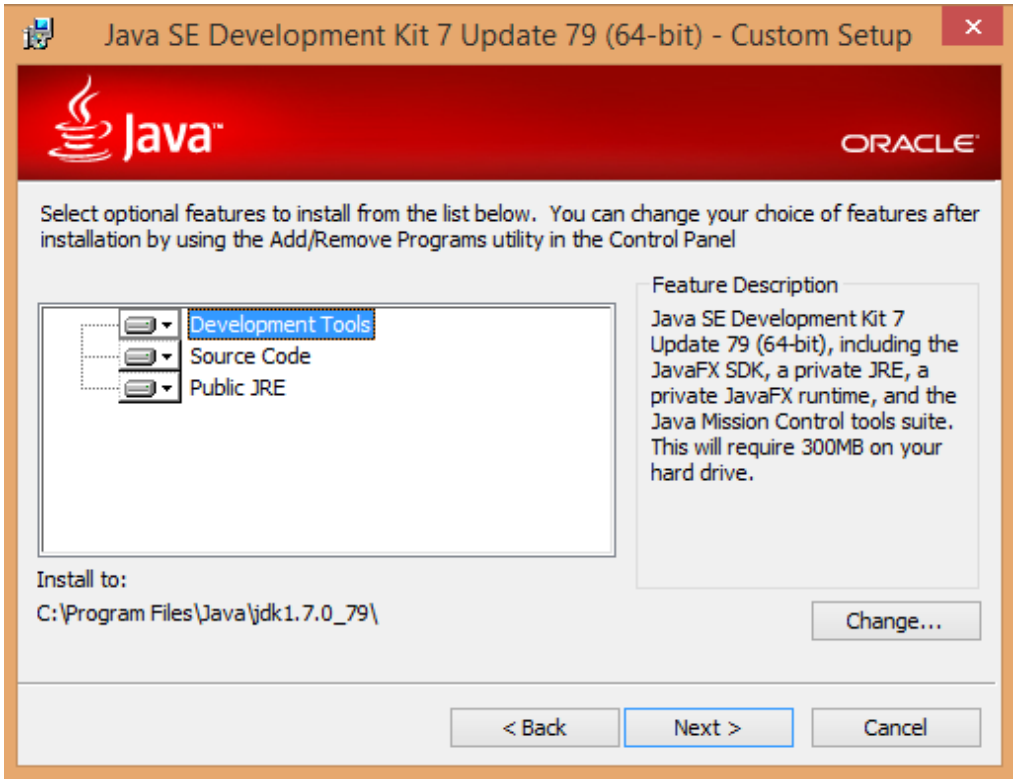


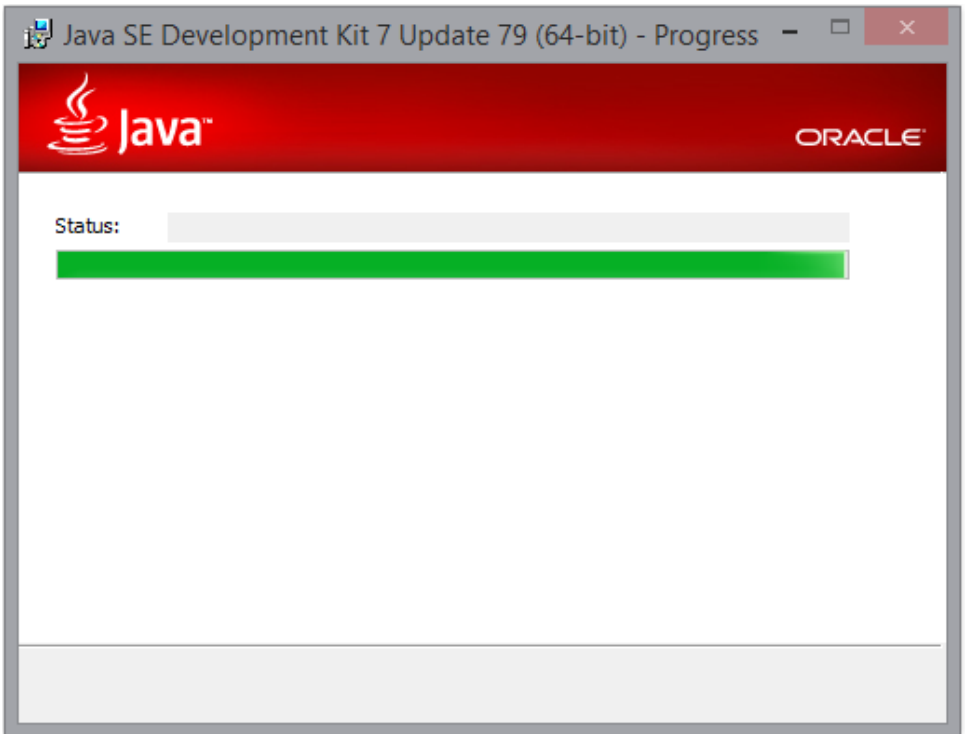
Download the JDK file according to the system type.

6. Double click on the downloaded file to install Java in our system. Then click next.

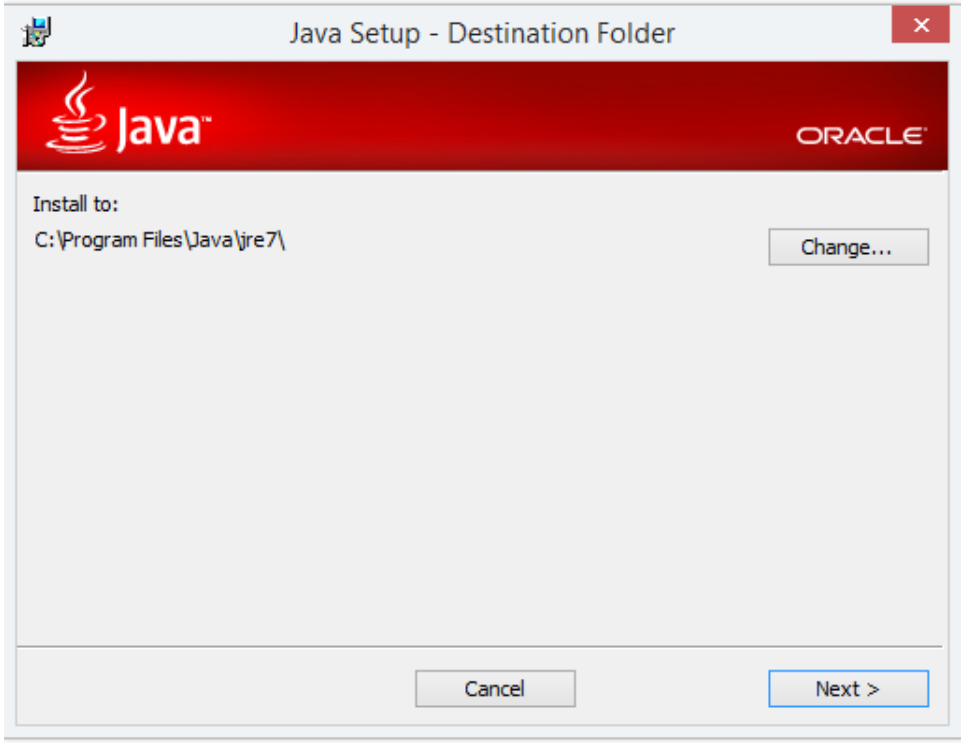


7. You can change the path where you want to install Java. I am setting to default C: Drive. The installation process will start automatically when you press next button.





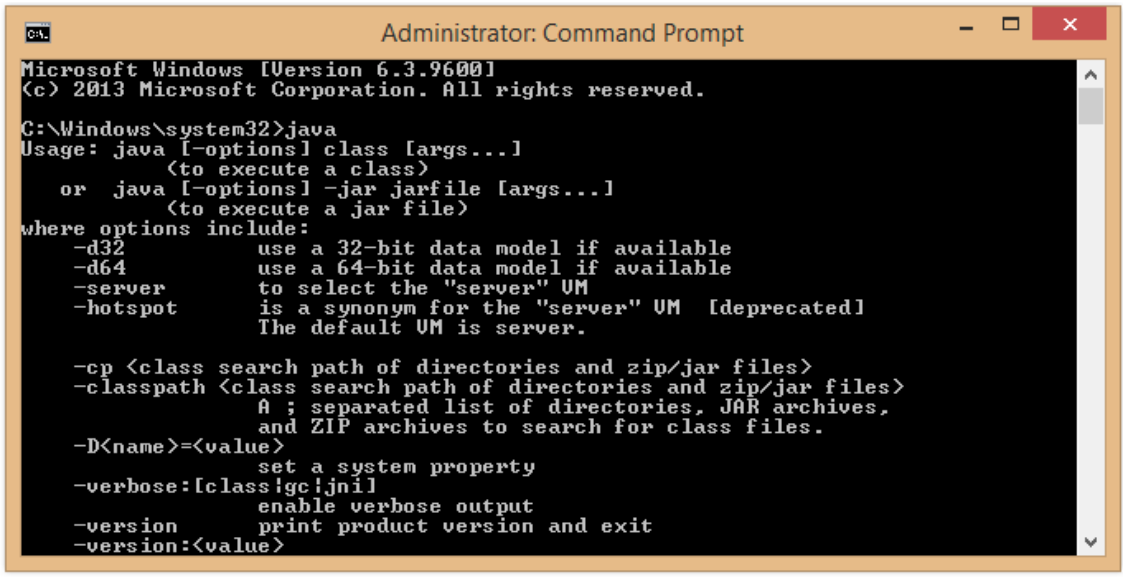
8. I am setting the default Java Runtime to C: Drive where I have save my Java.



Then click next to complete installation.

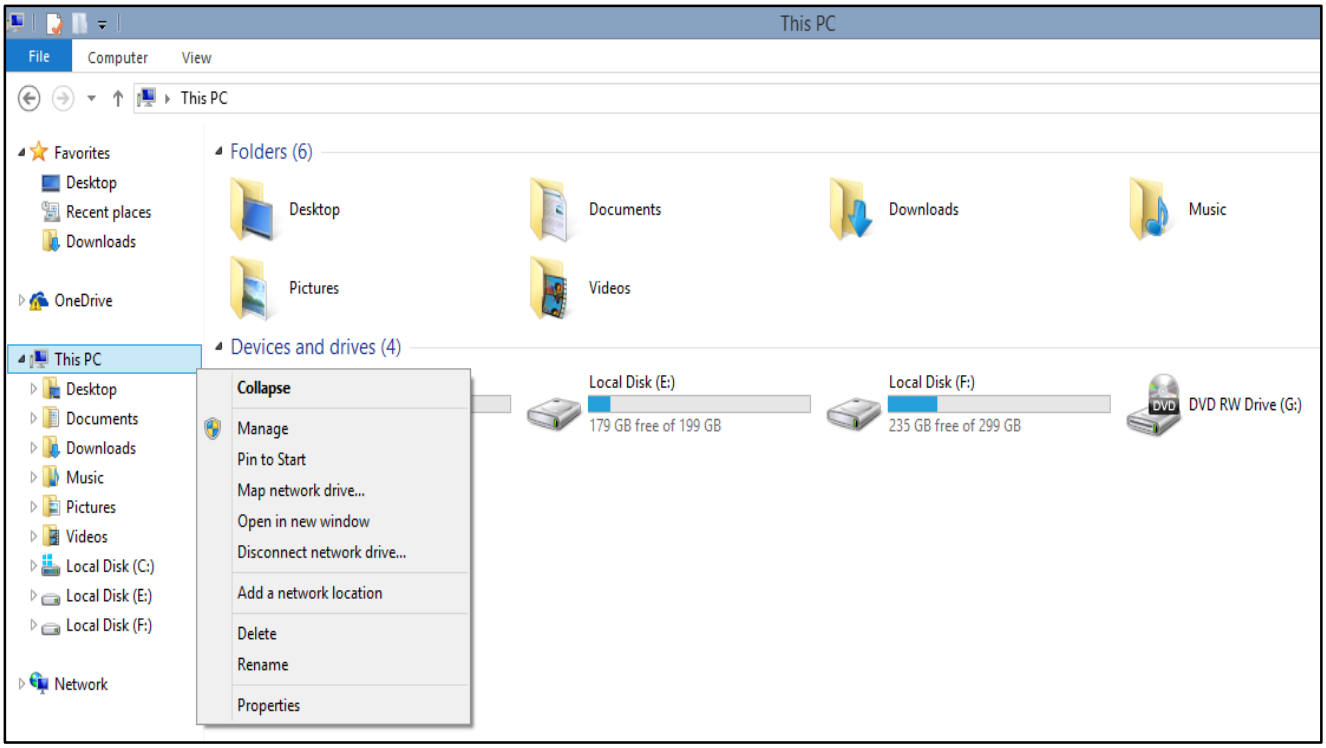
9. After succesfull installation this window will pop up.

10. We can check whether the Java is installed successfully or not. Open Command prompt and type Java. Below window will pop up.

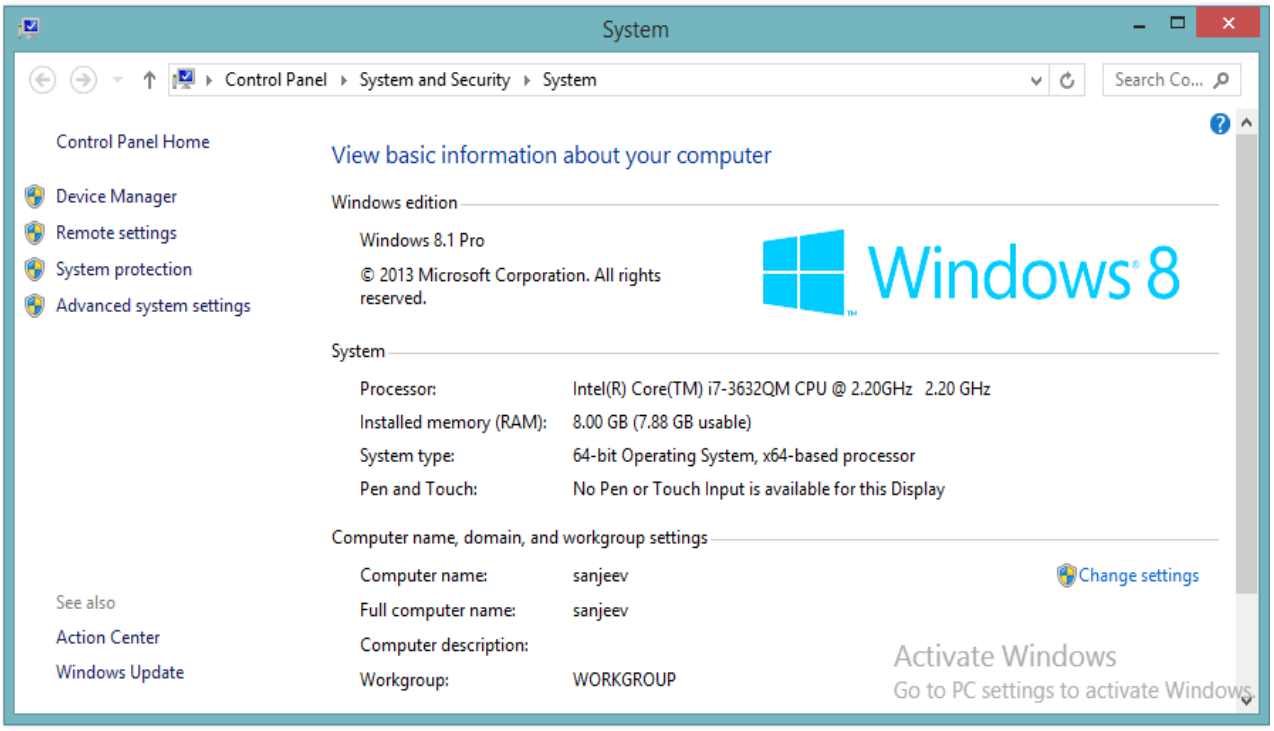


All the available Java option will show up.

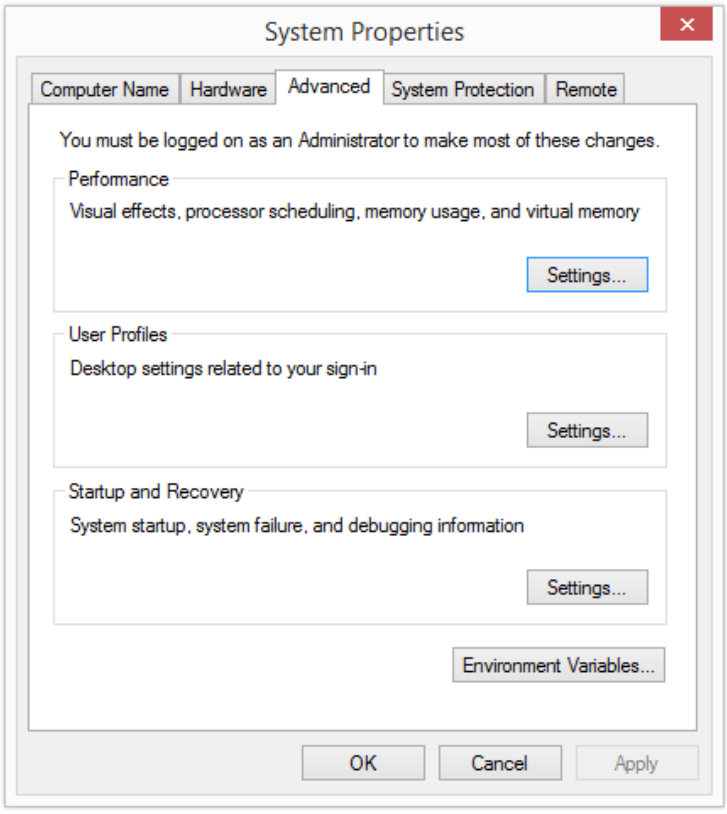
11. We need to set the Java path in environmental variables. Right click on the My Computer/PC then open properties.



12. Open Advanced system settings, then system properties window will show up.



Then click on environmental variables.

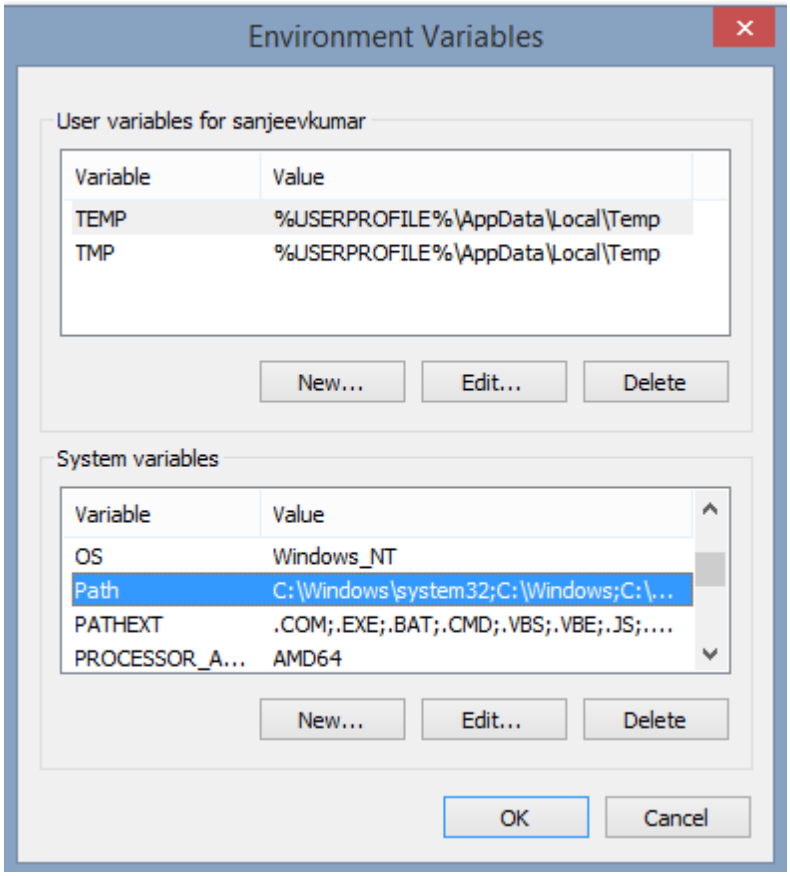


13. Set the following user environment variables (== environment variables of type user variables)

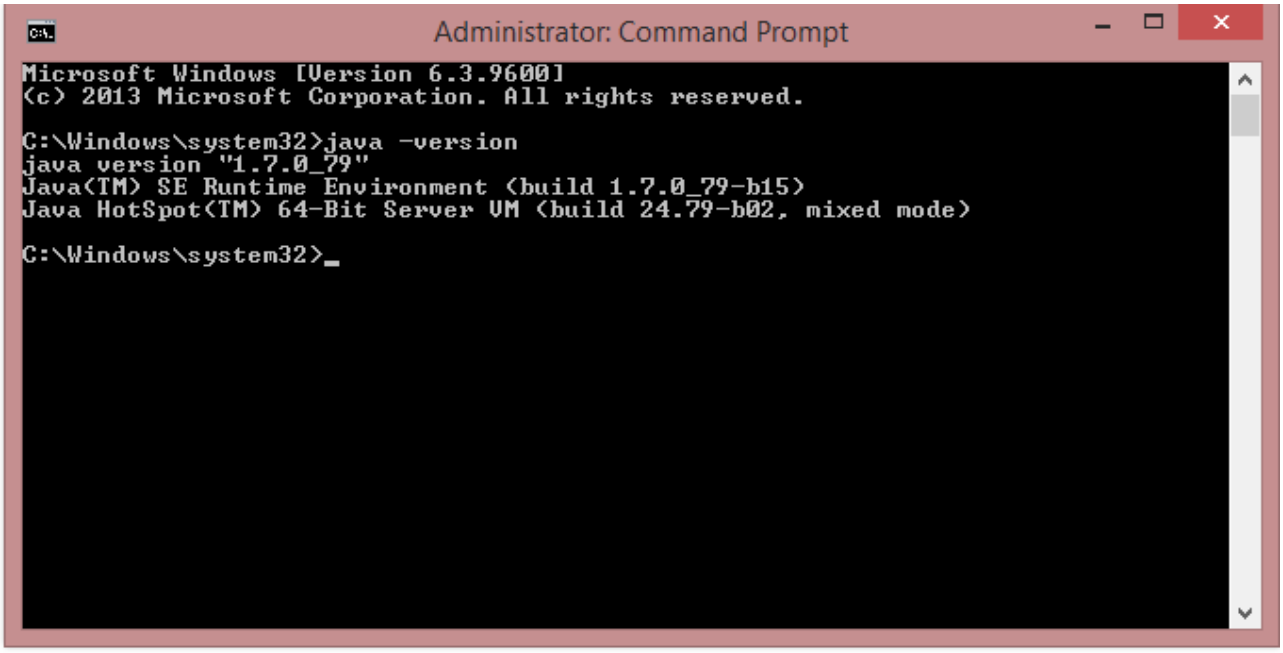
JAVA_HOME	:	C:\Program Files\Java\jdk1.7.0_79
JDK_HOME	:	%JAVA_HOME%
JRE_HOME	:	%JAVA_HOME%\jre
CLASSPATH	:	.;%JAVA_HOME%\lib;%JAVA_HOME%\jre\lib
PATH	:	your-unique-entries; %JAVA_HOME%\bin

Make sure that your-unique-entries do not contain any other references to another Java installation folder.

Notice that all these environment variables are derived from the "root" environment variable JAVA_HOME. This makes it easy to update your environment variables when updating the JDK. Just point JAVA_HOME to the fresh installation.

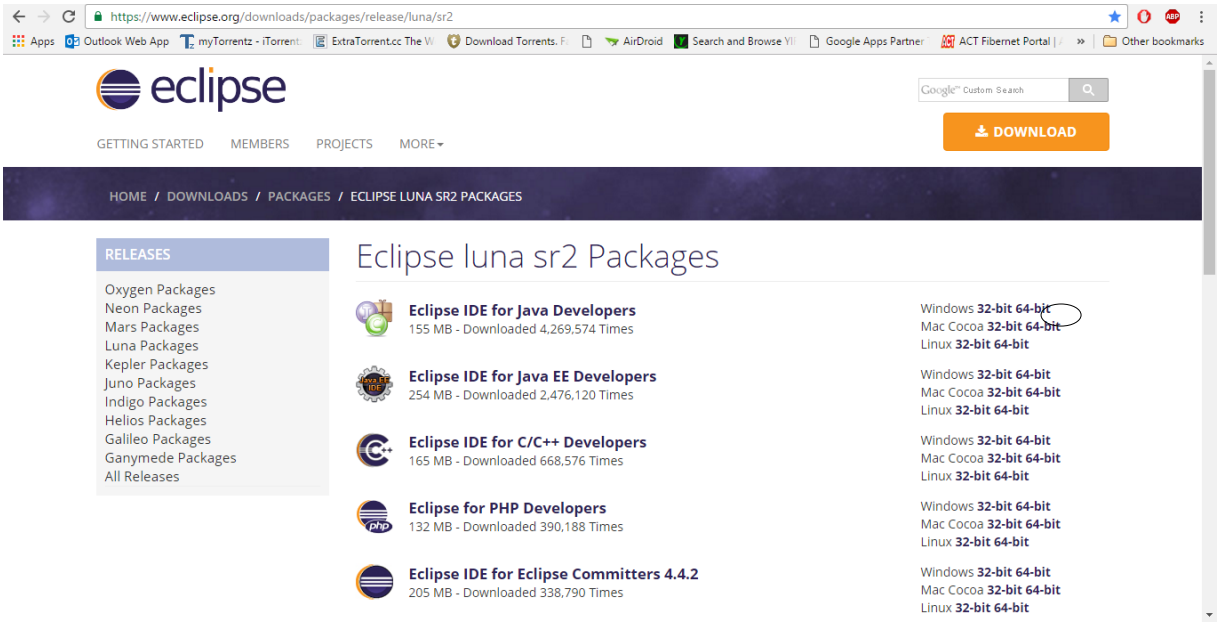


14. Now check in command prompt the version of java we installed. Open Command prompt and type Java –version



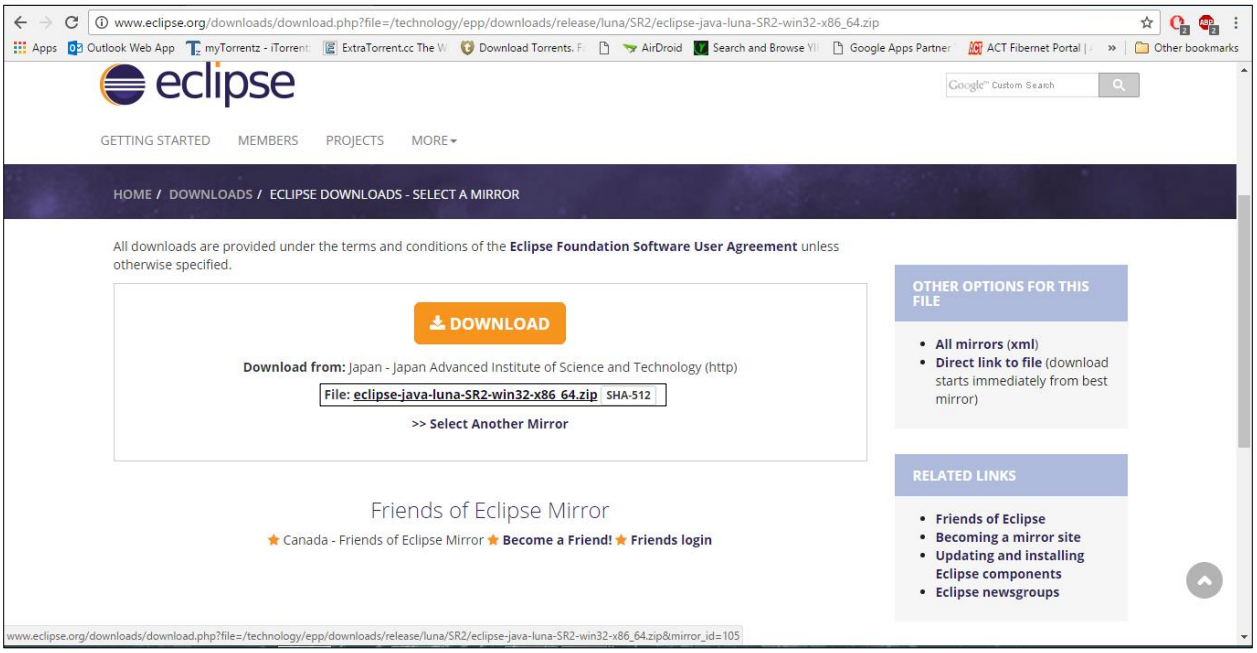
Let's start installing Eclipse Luna.

1. Visit the below site for downloading the respective system type Eclipse Luna version.

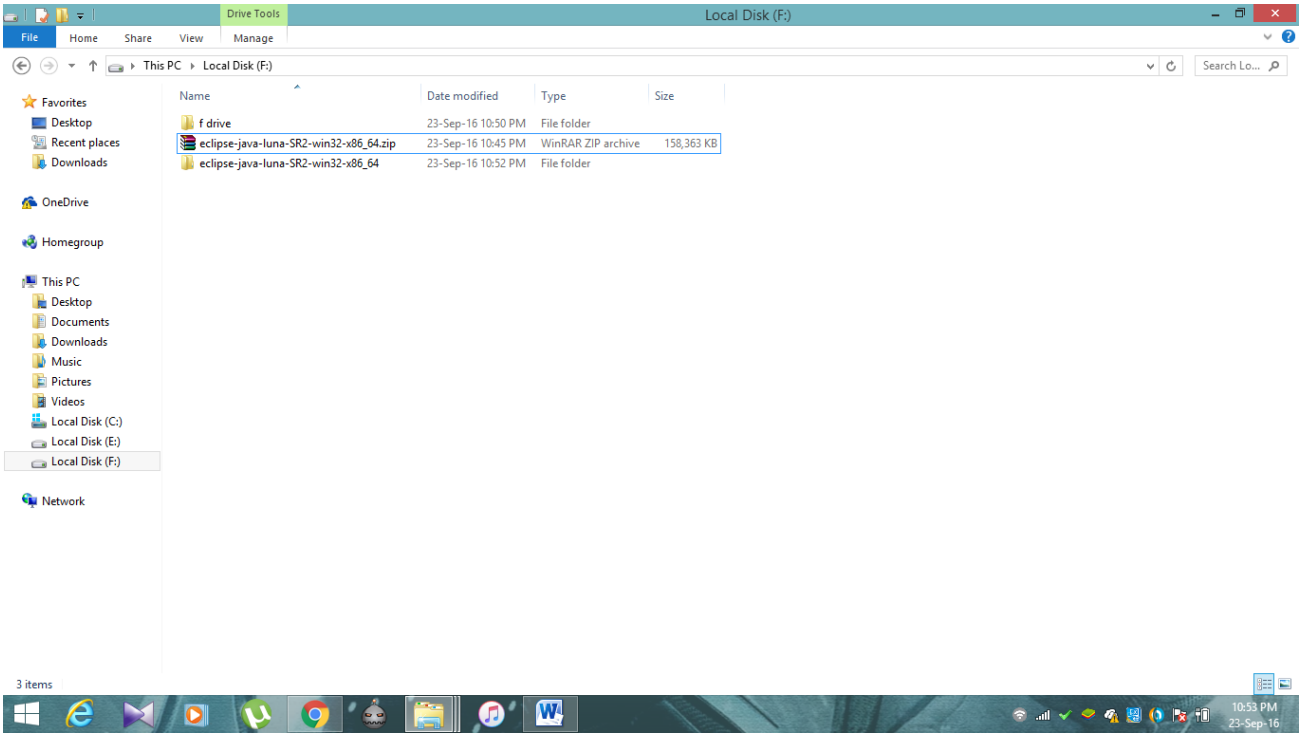


Basis the system type I am downloading the 64-bit windows version eclipse ide for java developers.

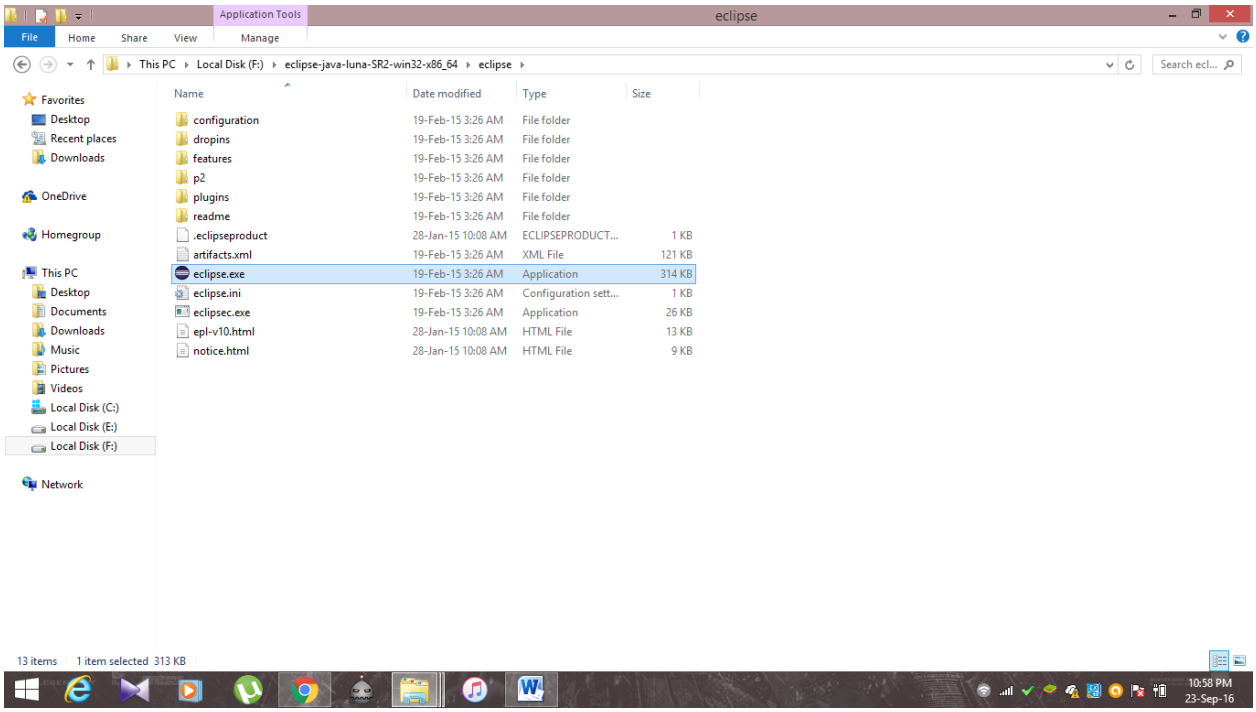
2. Download the highlighted the link.



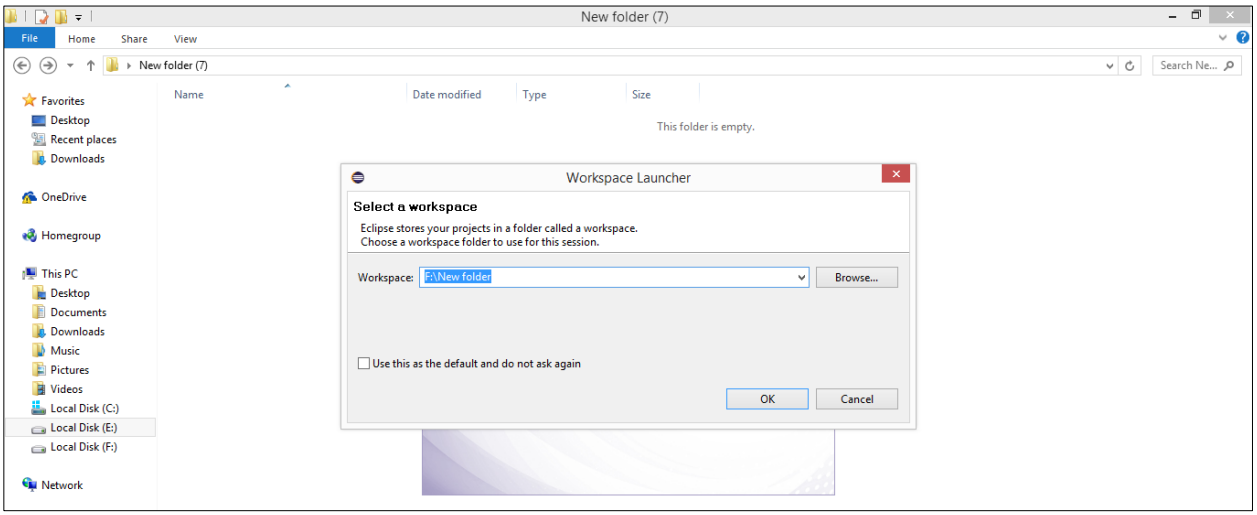
Save the downloaded file into D drive where the enough space will be for creating the eclipse workspace and plugins. I am extracting and saving it into F drive.



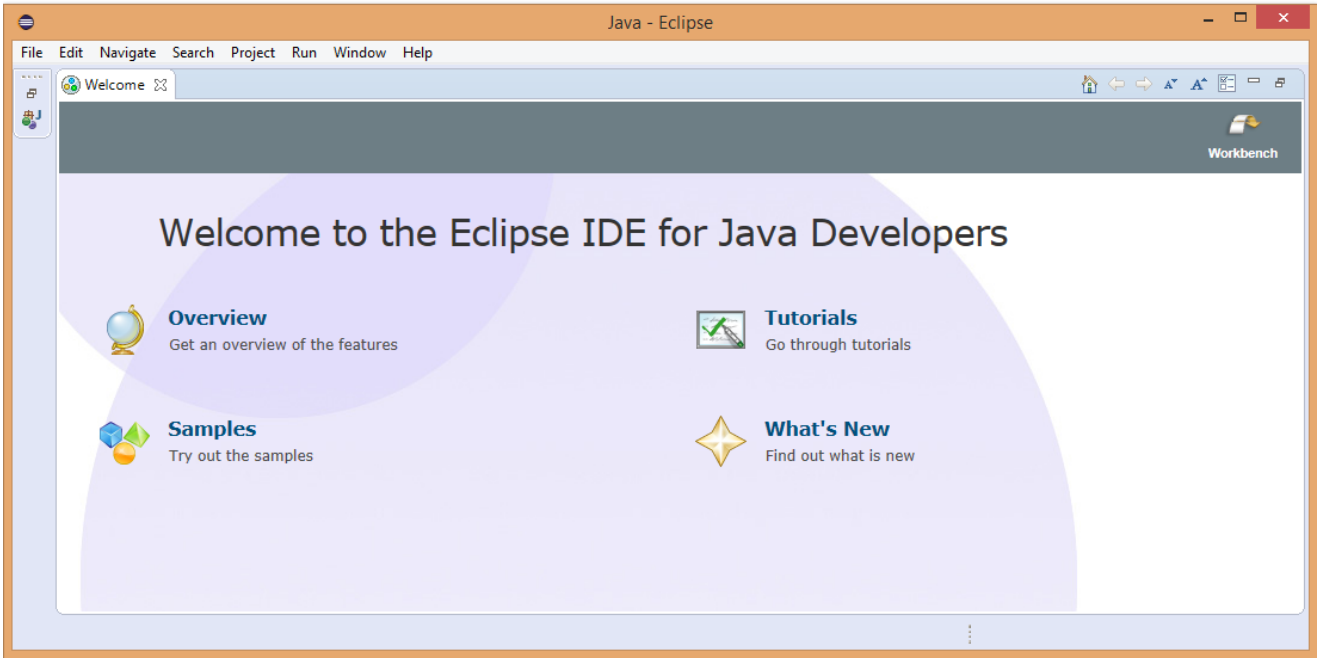
3. Now open Eclipse and run the start file by double clicking it.



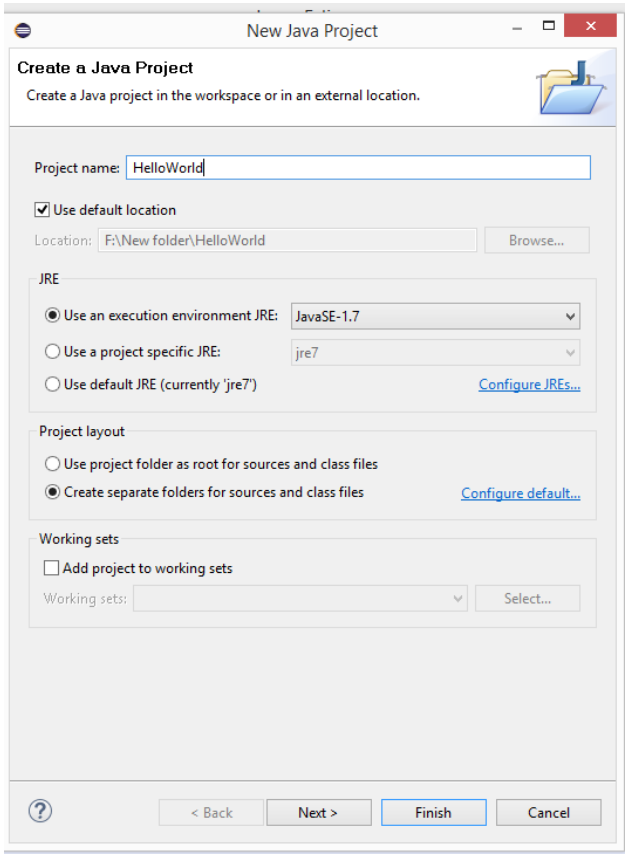
4. Change the workspace to F drive where the eclipse is stored and create a new folder for eclipse workspace.



Then click ok to start eclipse. After complete set the following screen pops up.

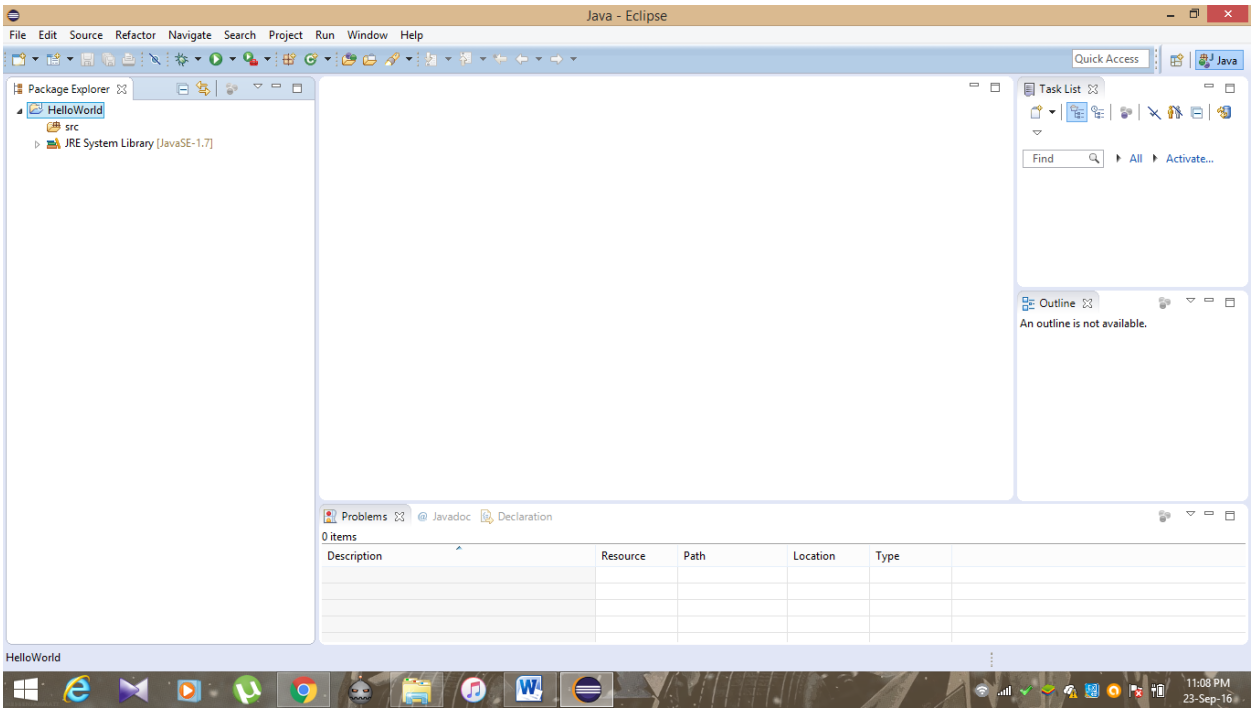


5. Let's run a sample java program "Hello world". Create a Java Project with HelloWorld. Set all the other fields to default.

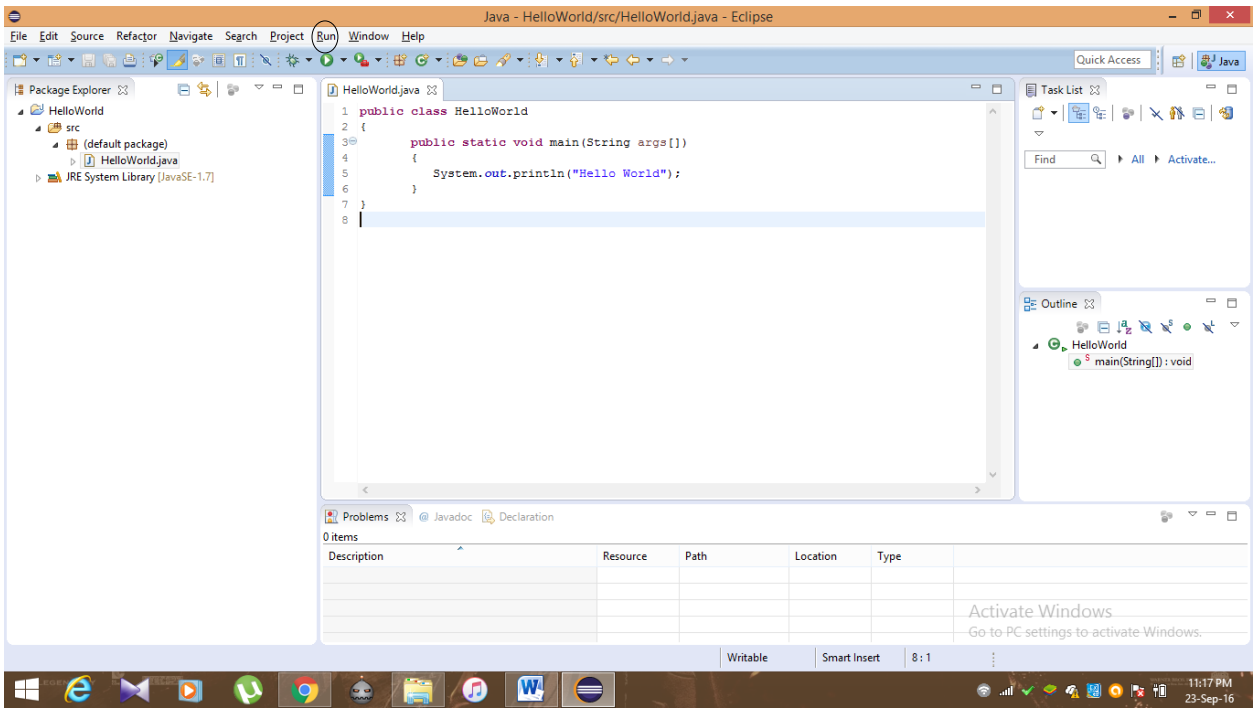


Then click Finish.

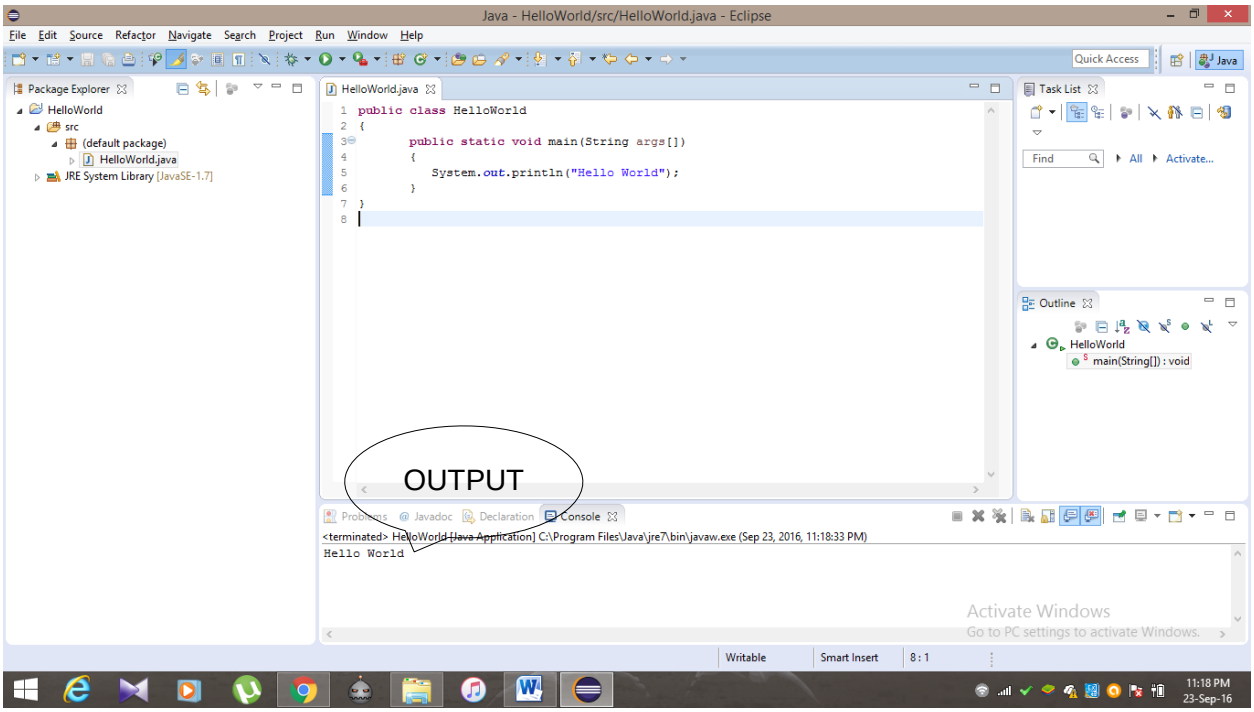
6. Now open the Java Project and create a new Java class file in the project.



7. Right Click on the SRC file and select class file. Give HelloWorld as a class name and click finish.



8. Run the file and the corresponding output will be shown at the bottom.



Double click on the Console. The window will enlarge.