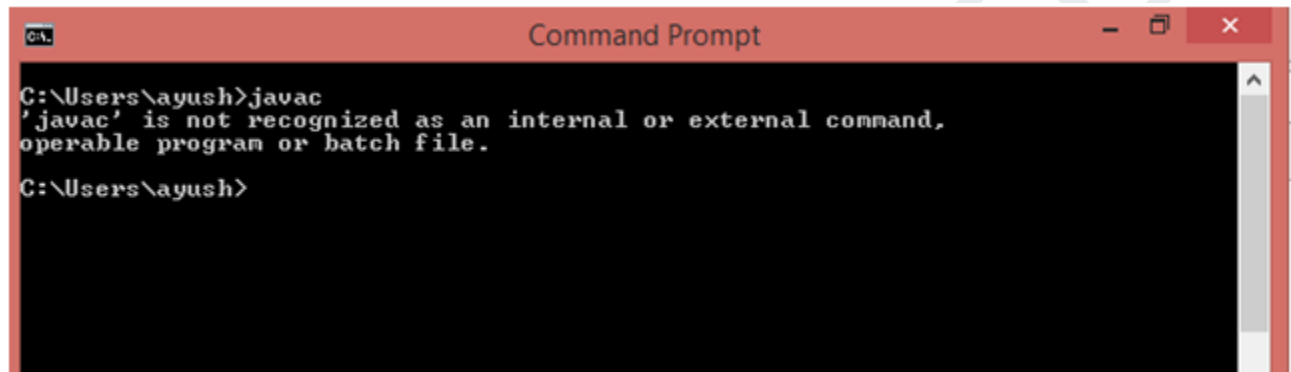


Install Java

Step 1: Verify that it is already installed or not

Check whether Java is already installed on the system or not. In my case, it is not installed therefore I need to install JDK 1.8 on my computer.



```
Command Prompt

C:\Users\ayush>javac
'javac' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\ayush>
```

Step 2: Download JDK

Click the link below to download jdk 1.8 for you windows 64 bit system.

Download JDK For Windows

There are available releases for Linux and mac operating systems. You can visit the official link for JDK distributions i.e.

JDK Downloads

Step 3: Install JDK

Open the executable file which you have just downloaded and follow the steps.

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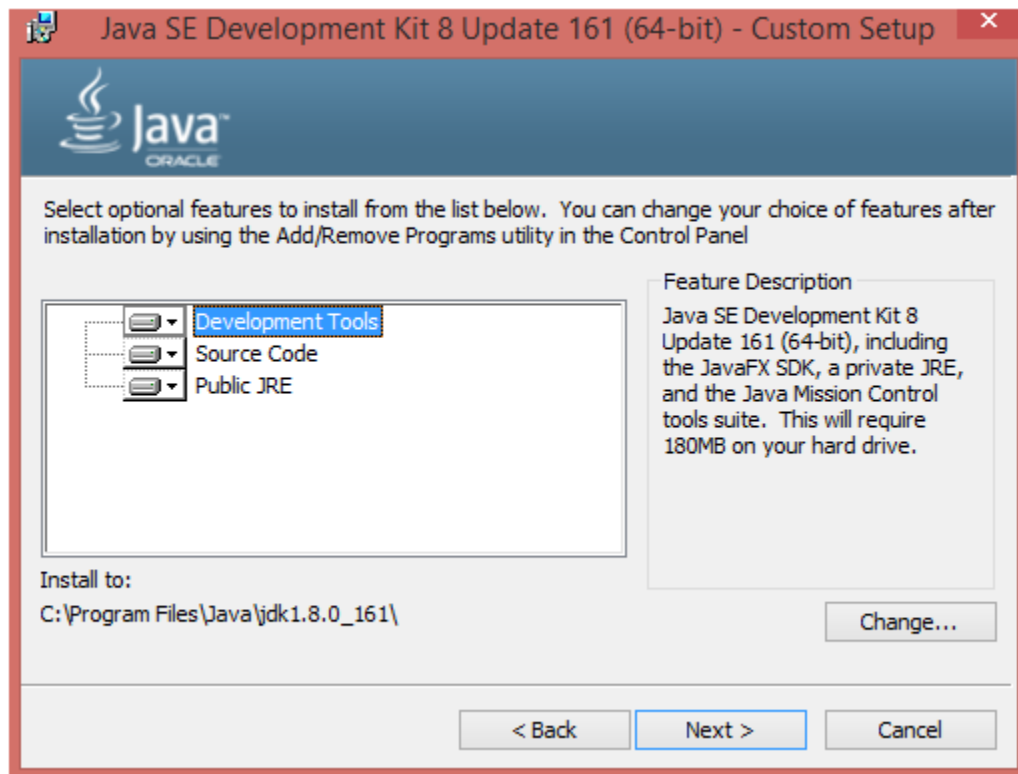


Click **Next** to continue

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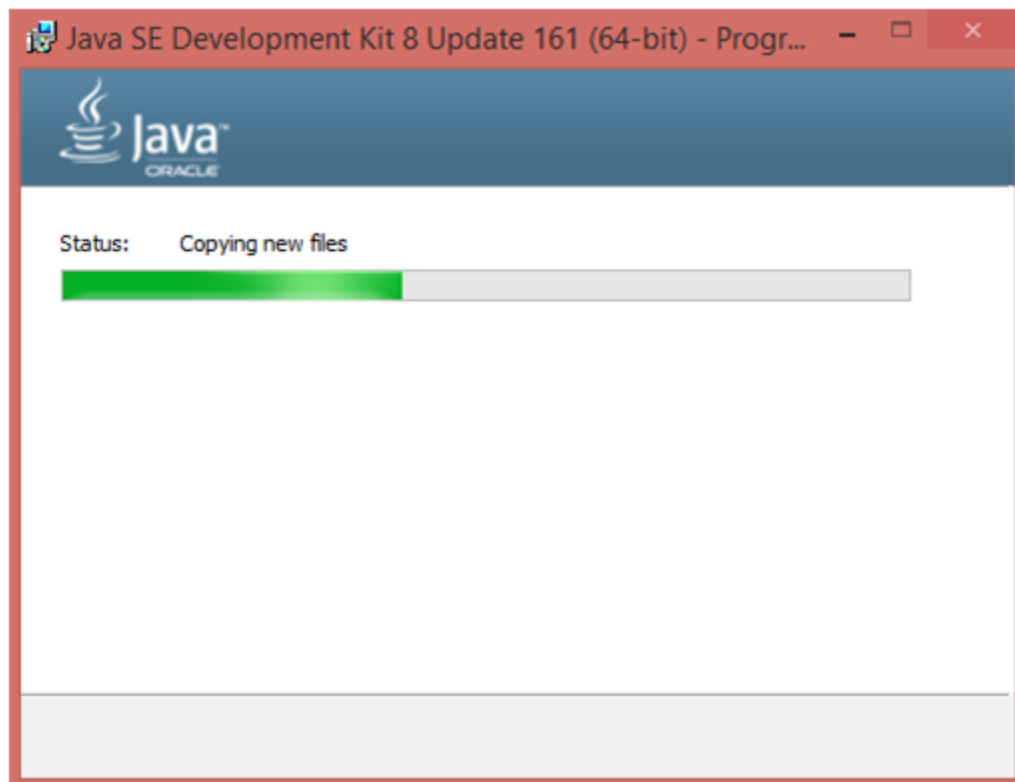


Just Choose Development Tools and click Next.

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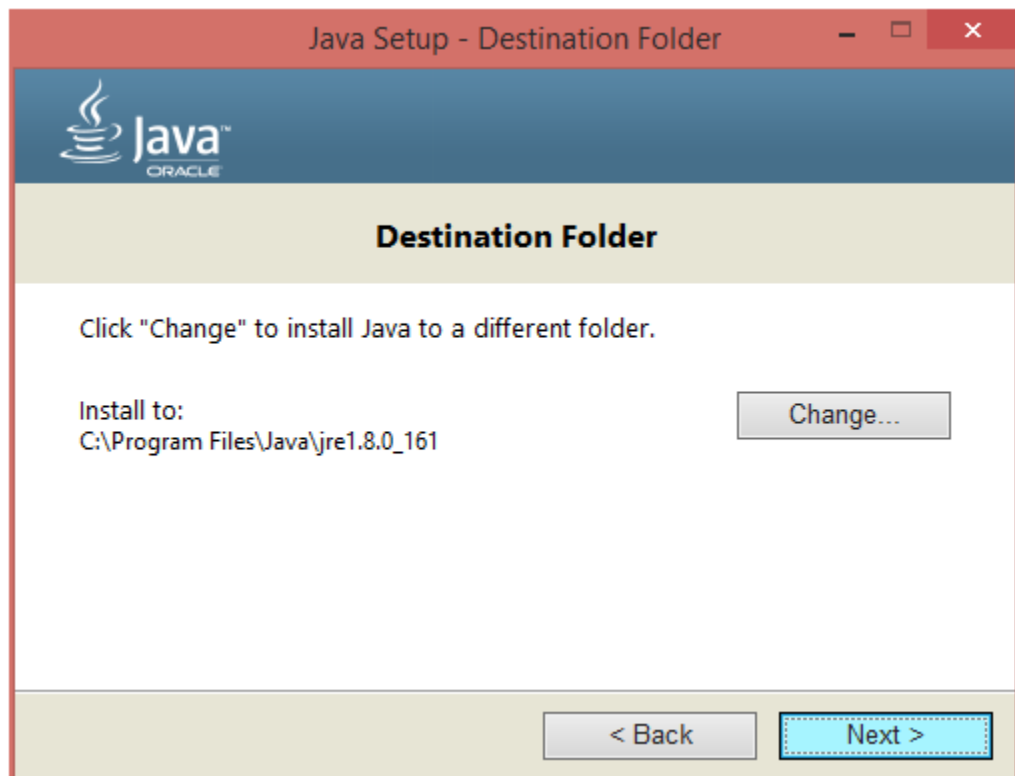


Set up is being ready.

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Choose the Destination folder in which you want to install JDK. Click Next to continue with the installation.

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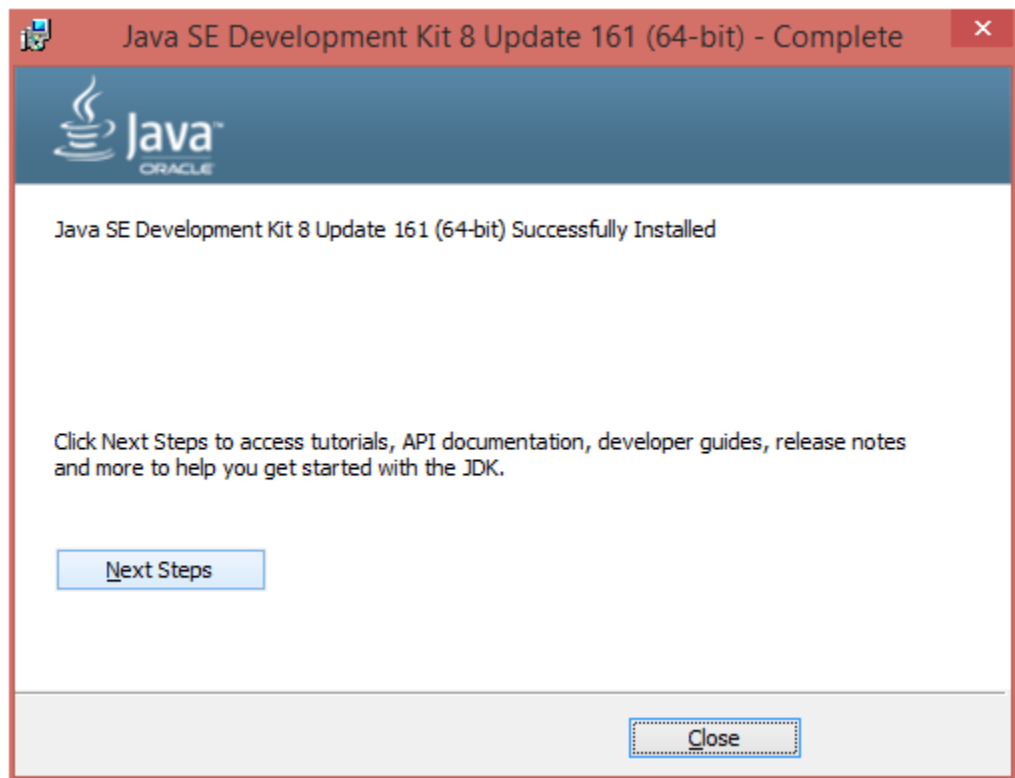


Set up is installing Java to the computer.

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We have successfully installed Java SE development kit 8. Close the installation set up.

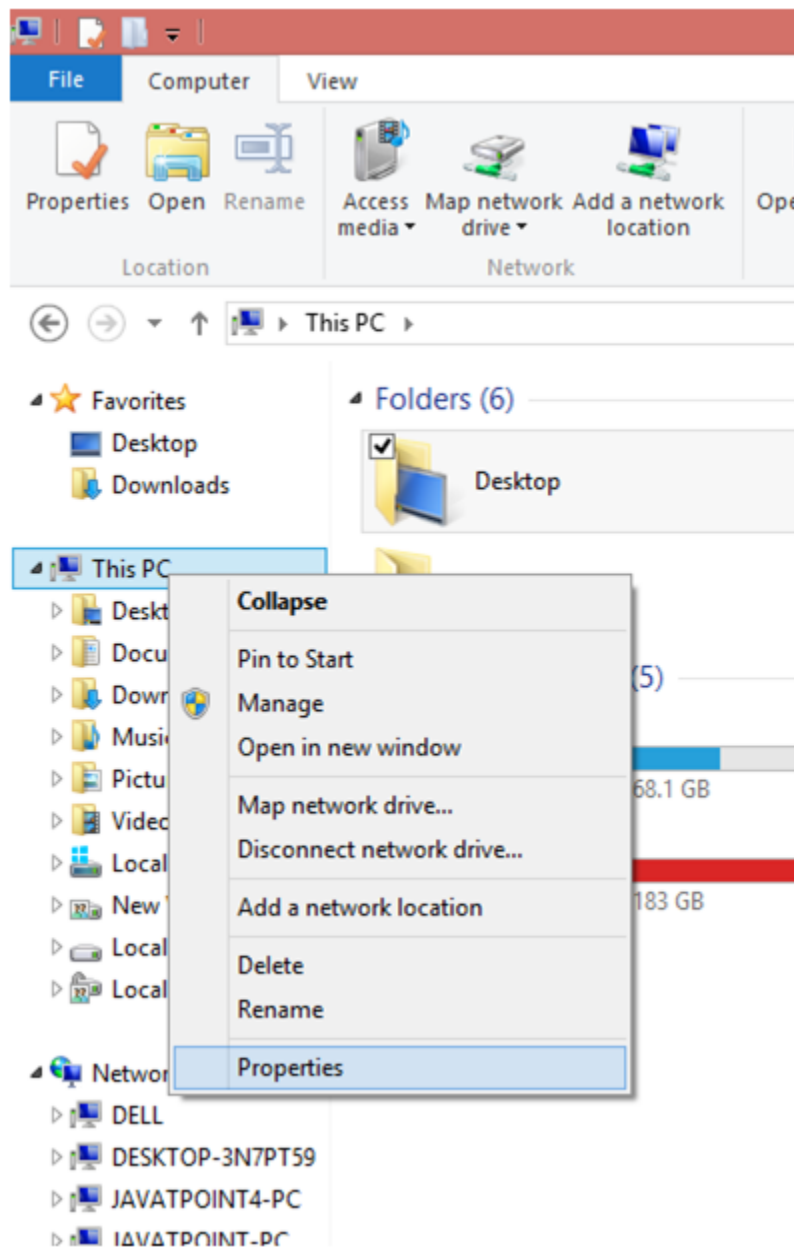
Step 4 : Set the Permanent Path

To execute Java applications from command line, we need to set Java Path. To set the path, follow the following steps.

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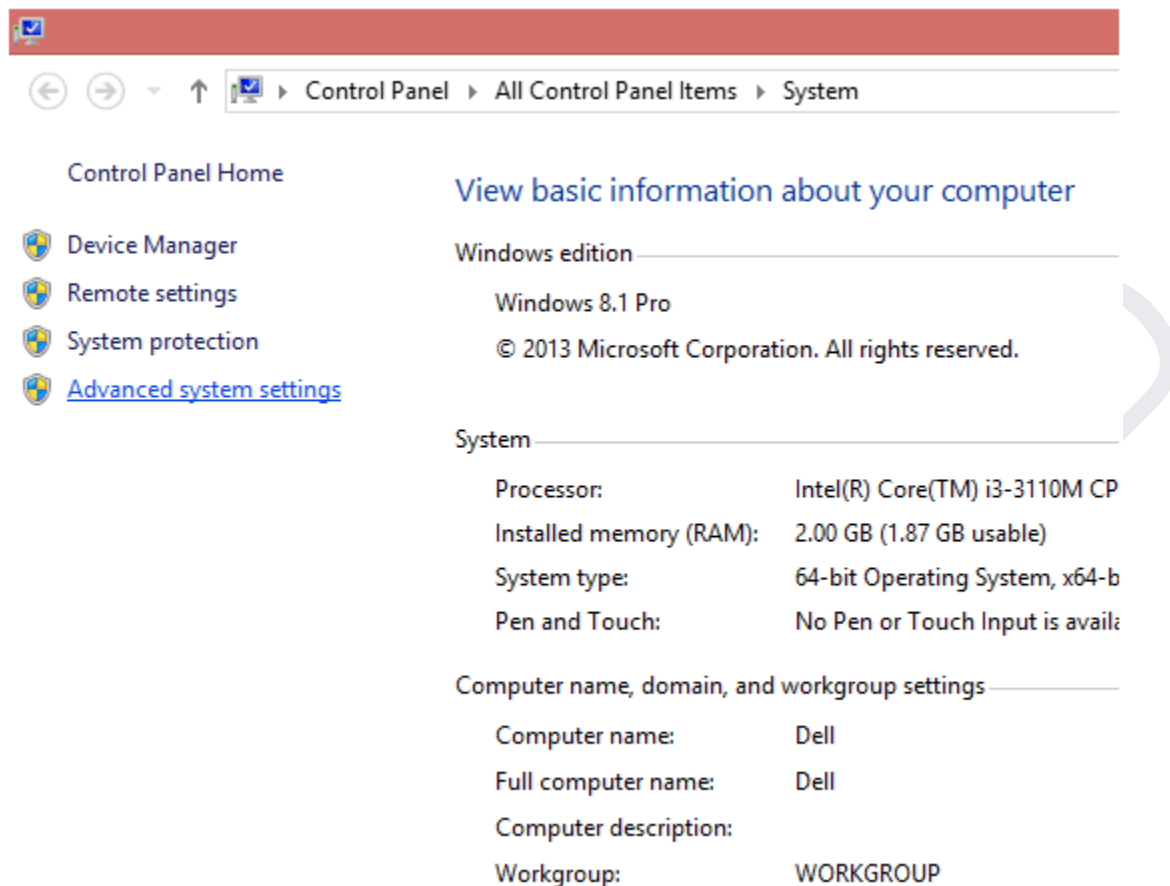


Right click on "this PC". It can be named as "My Computer" in some systems. Choose "properties" from the options.

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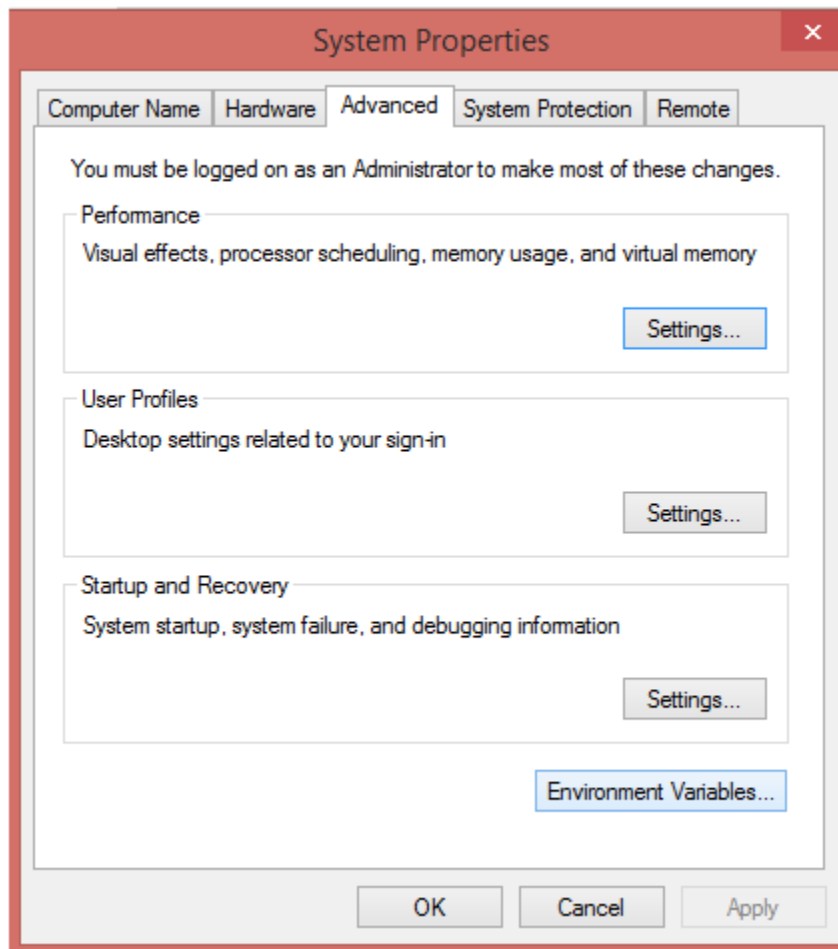


The screen look alike the above image will open. Click on "Advanced system settings" to continue.

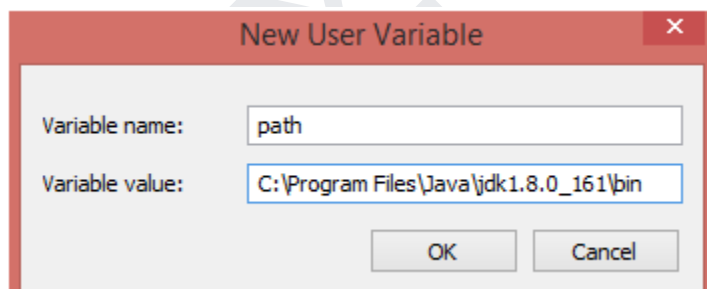
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Above window will open. Click on "Environment Variables" to continue.



Enter "path" in variable name and enter the path to the bin folder inside your JDK in the variable value. Click OK.

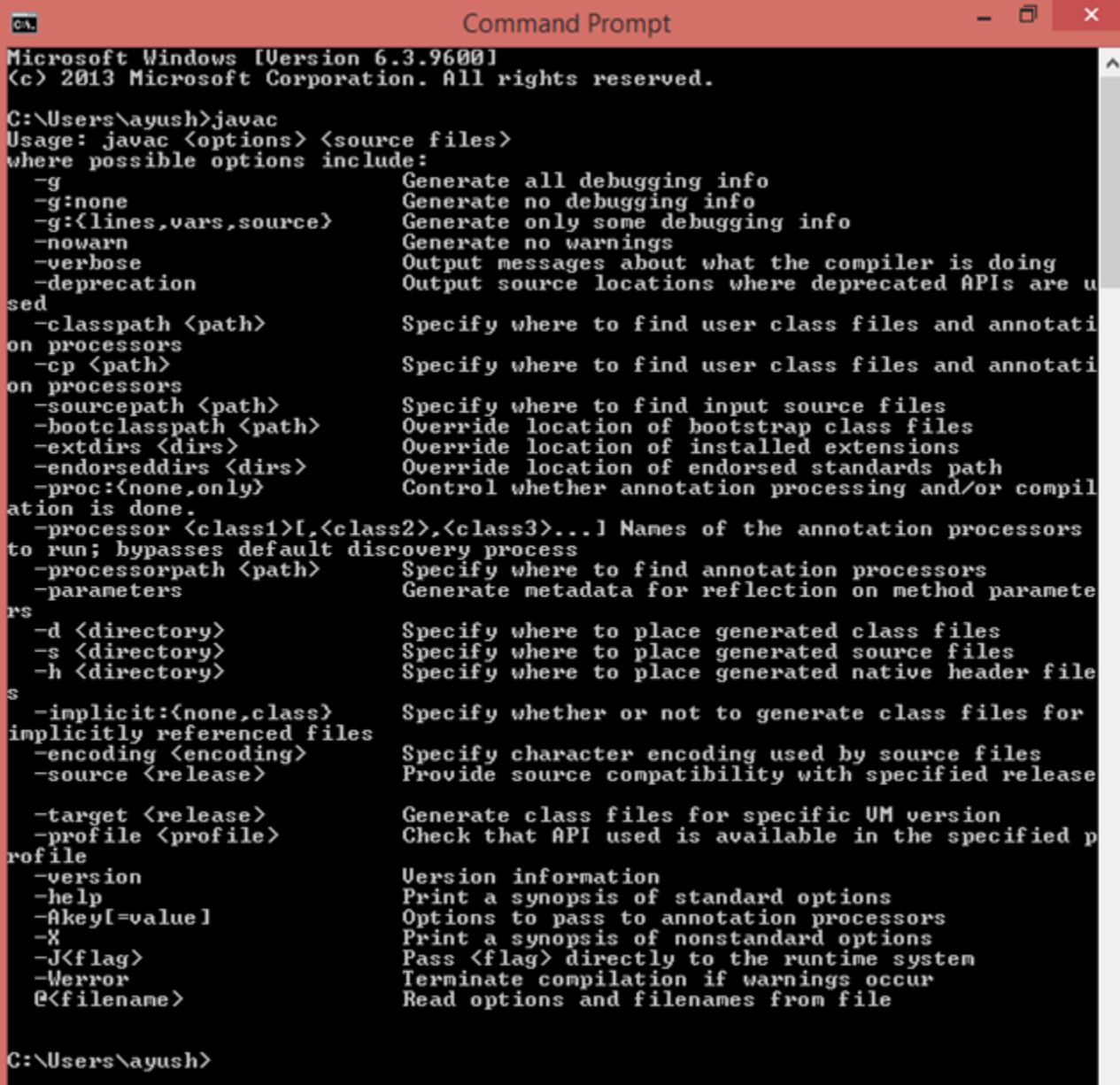
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Now Java Path has been set up. Open the Command prompt and type "javac" In case you have already open up the command prompt, I suggest you to close the existing window and reopen it again.

We will get javac executed as shown in the image below.



```
Microsoft Windows [Version 6.3.9600]
(c) 2013 Microsoft Corporation. All rights reserved.

C:\Users\ayush>javac
Usage: javac <options> <source files>
where possible options include:
  -g               Generate all debugging info
  -g:none          Generate no debugging info
  -g:{lines,vars,source}  Generate only some debugging info
  -nowarn          Generate no warnings
  -verbose         Output messages about what the compiler is doing
  -deprecation     Output source locations where deprecated APIs are used
  -classpath <path> Specify where to find user class files and annotations
  -cp <path>       Specify where to find user class files and annotations
  -sourcepath <path> Specify where to find input source files
  -bootclasspath <path> Override location of bootstrap class files
  -extdirs <dirs>   Override location of installed extensions
  -endorseddirs <dirs> Override location of endorsed standards path
  -proc:{none,only} Control whether annotation processing and/or compilation is done.
  -processor <class1>[,<class2>,<class3>...] Names of the annotation processors to run; bypasses default discovery process
  -processorpath <path> Specify where to find annotation processors
  -parameters      Generate metadata for reflection on method parameters
  -d <directory>   Specify where to place generated class files
  -s <directory>   Specify where to place generated source files
  -h <directory>   Specify where to place generated native header files
  -implicit:{none,class} Specify whether or not to generate class files for implicitly referenced files
  -encoding <encoding> Specify character encoding used by source files
  -source <release> Provide source compatibility with specified release
  -target <release> Generate class files for specific VM version
  -profile <profile> Check that API used is available in the specified profile
  -version         Version information
  -help           Print a synopsis of standard options
  -Akey[=value]   Options to pass to annotation processors
  -X             Print a synopsis of nonstandard options
  -J<flag>        Pass <flag> directly to the runtime system
  -Werror         Terminate compilation if warnings occur
  @<filename>     Read options and filenames from file

C:\Users\ayush>
```

The Java has been installed on our system.

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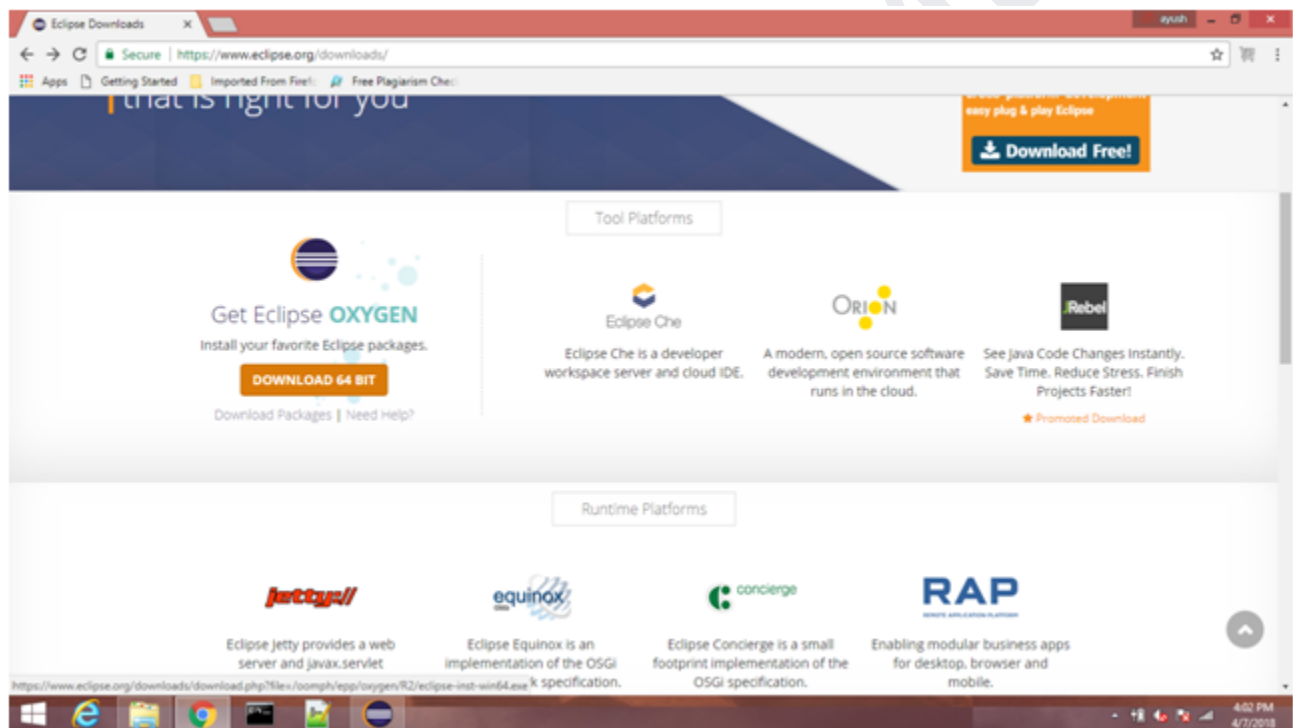
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Install Eclipse

In order to run the JavaFX application, we need to set up eclipse. Follow the instructions given below to install the eclipse and configure to execute the JavaFX application.

Step 1: Download the Latest version

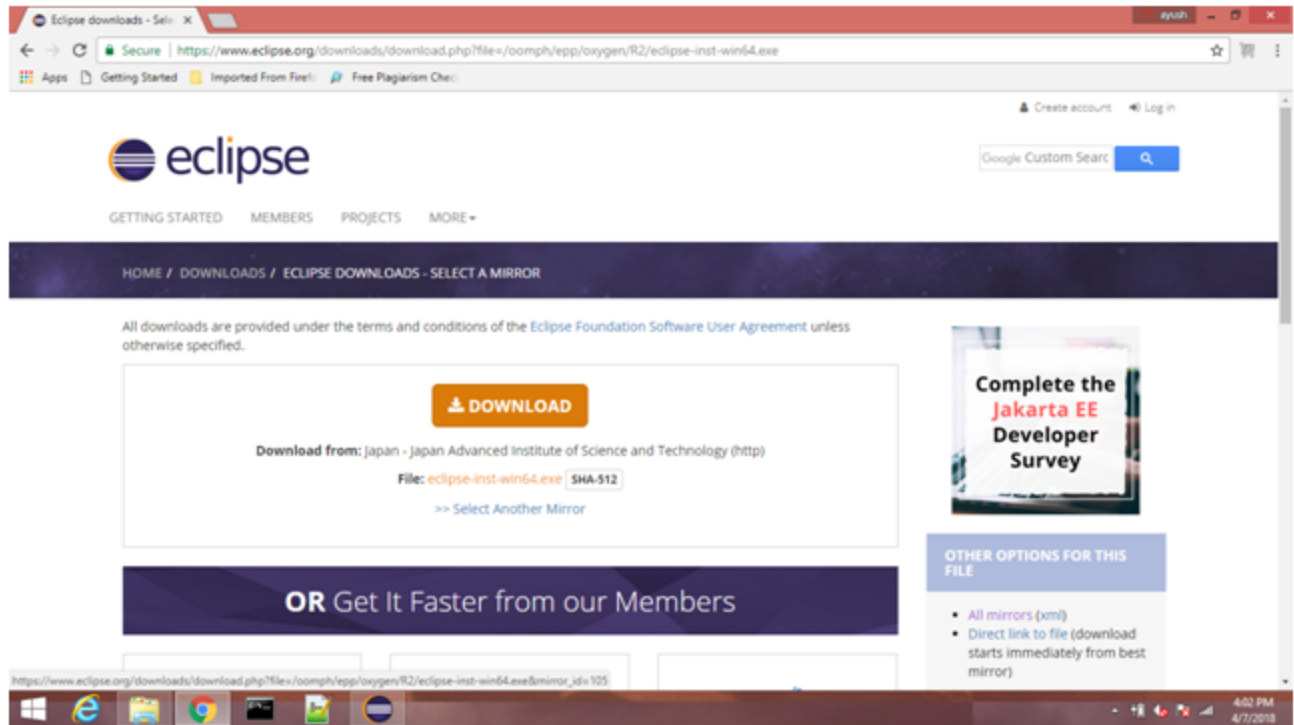
Click the link **Download Eclipse** to visit the download page of eclipse. You can download the latest version of eclipse i.e. eclipse oxygen from that page. The opened page will look like following, click on **DOWNLOAD 64 BIT** to proceed the download.



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Eclipse oxygen 64 bit installer will be installed on our system. Here, we are using Windows operating system therefore the downloaded file will be different from the one which needs to be installed on Linux based systems.

Just Click on **DOWNLOAD** button to download the installer.

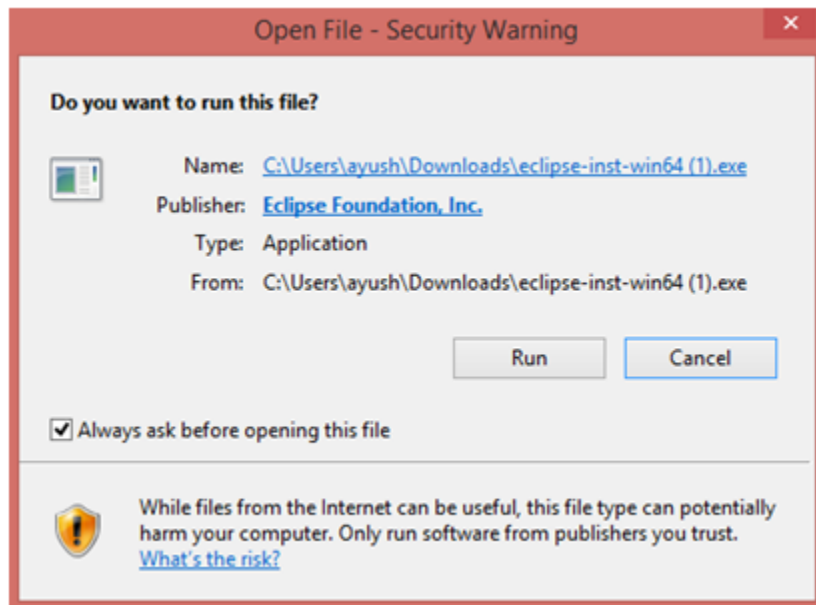
Step 2: Install Eclipse

Double click on the **exe** file which has just been downloaded. The screen will look like following. Click **Run** to proceed the installation.

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Choose the software suit which you want to install. In our case, we have chosen **Eclipse IDE for Java Developers** which is recommended in our case.

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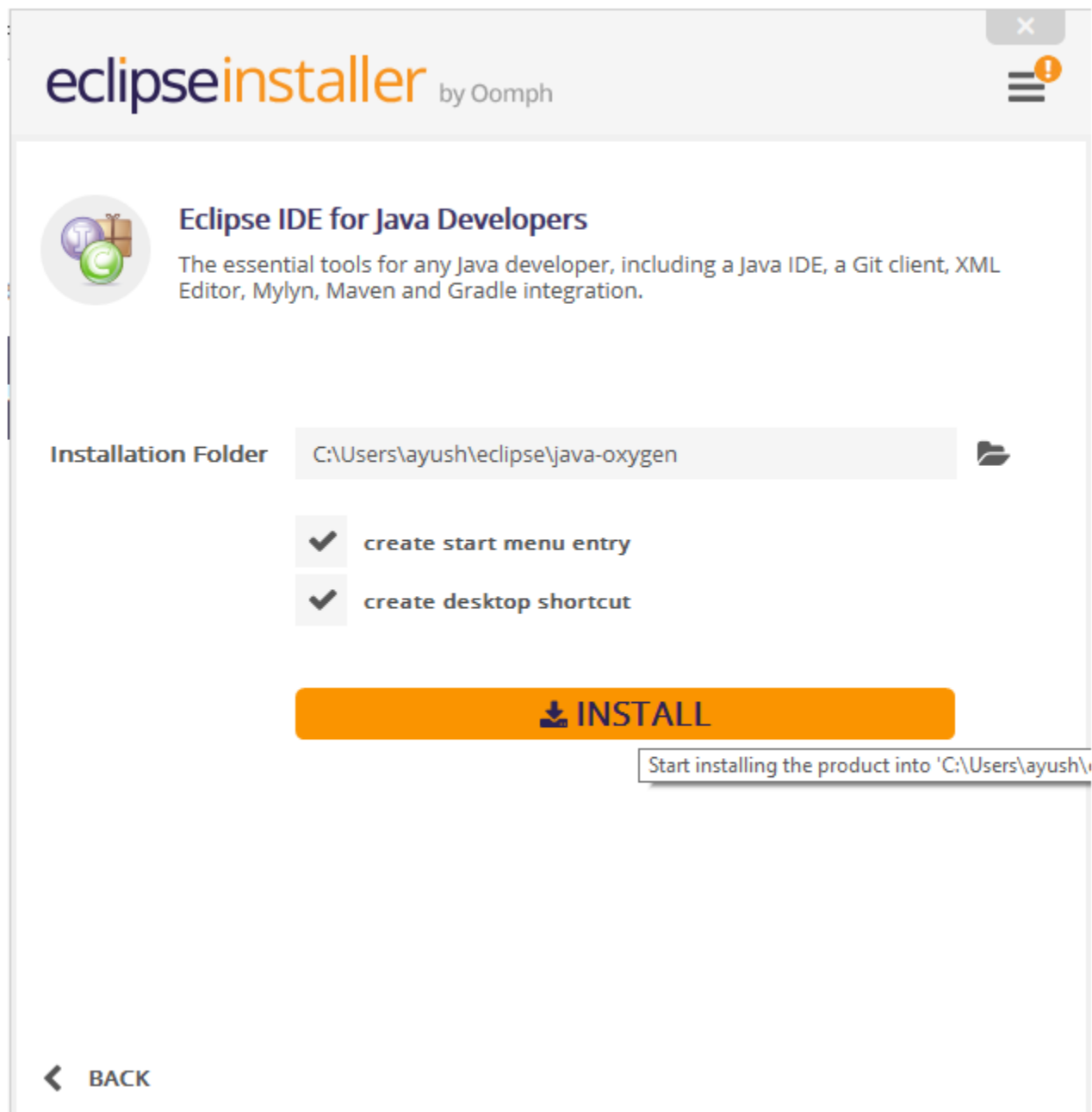


Now, the Set up is ready to install Eclipse oxygen 64 bit in the directory shown in the image. However, we can select any destination folder present on our system. Just click install when you done with the directory selection.

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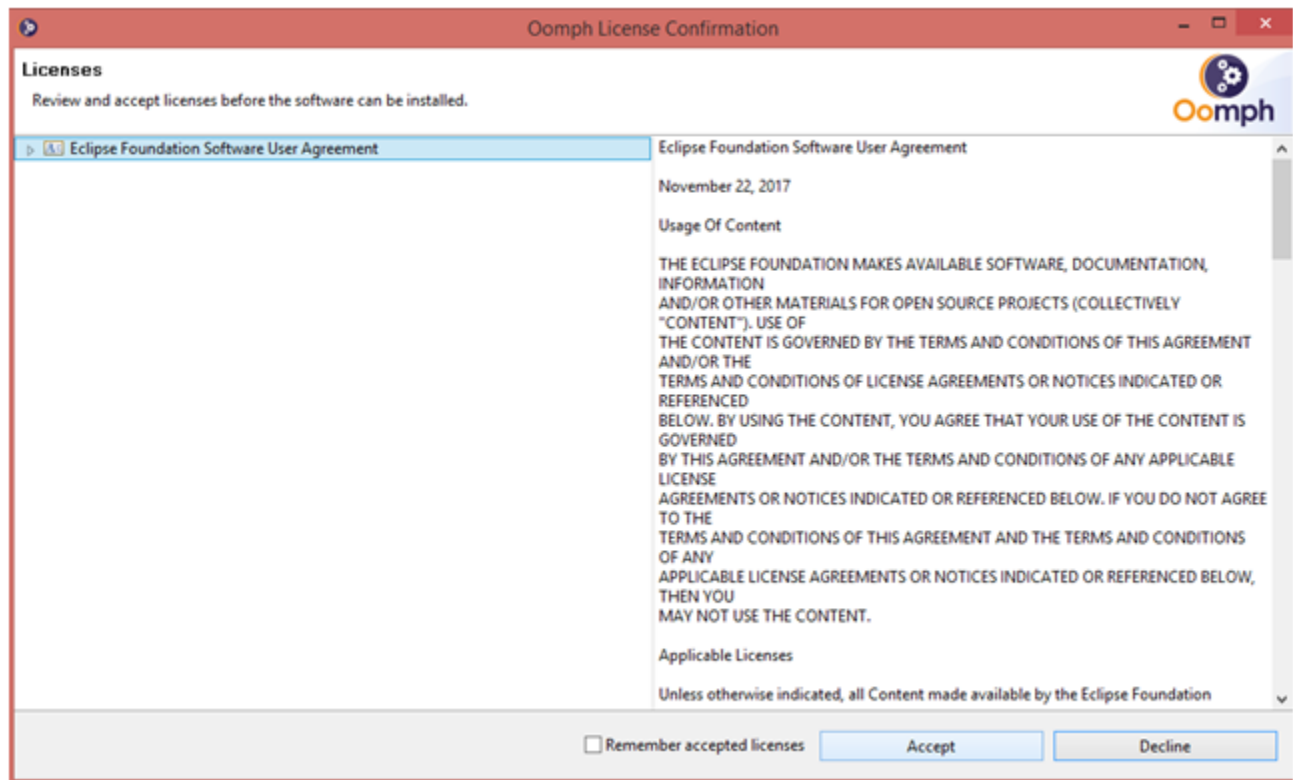


The set up will ask us to accept the Eclipse Foundation Software Agreement. Just click **Accept** to continue.

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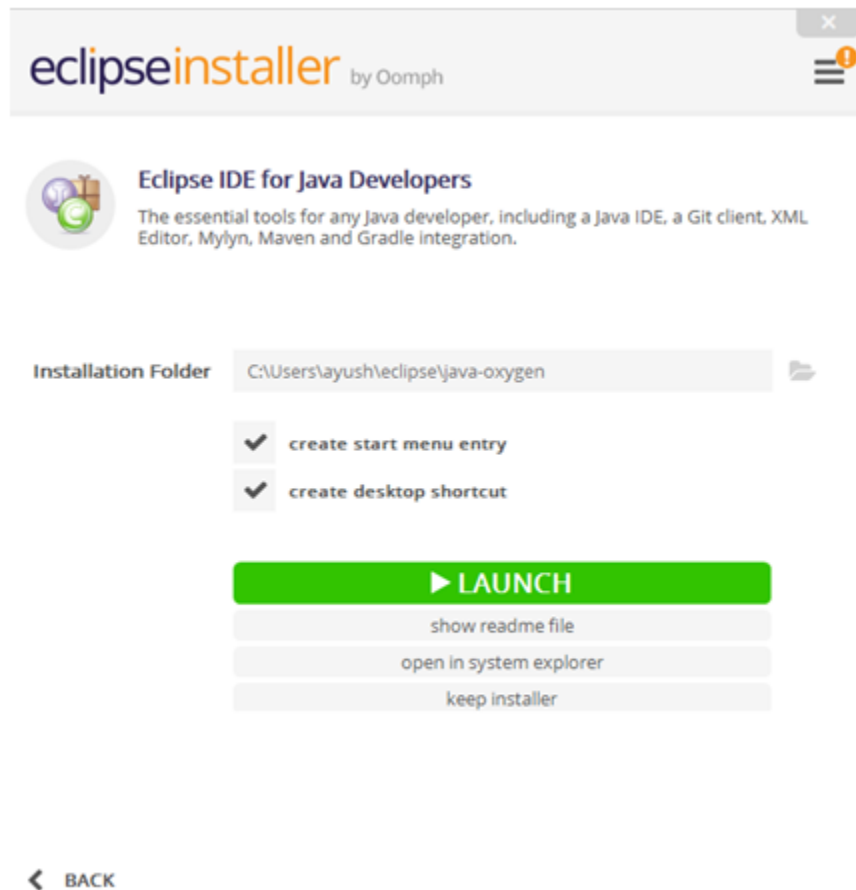


Now, we will have to wait for the time the Eclipse will be installing on our system. Once the installation will be done, the following screen will appear. Just click the **LAUNCH** button to launch eclipse.

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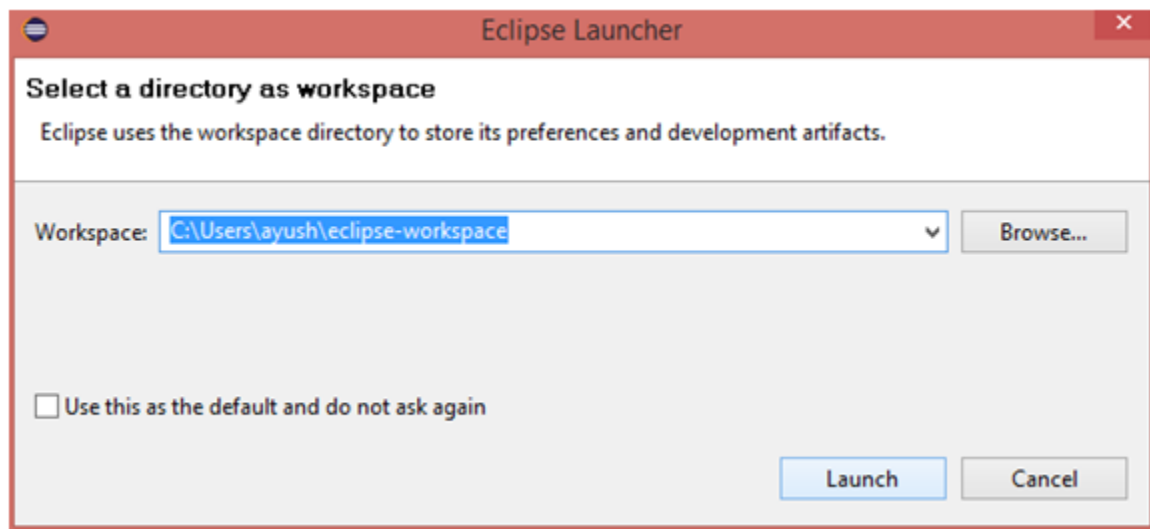


Browse the workspace directory, just click the **Launch** button once you done with the process.

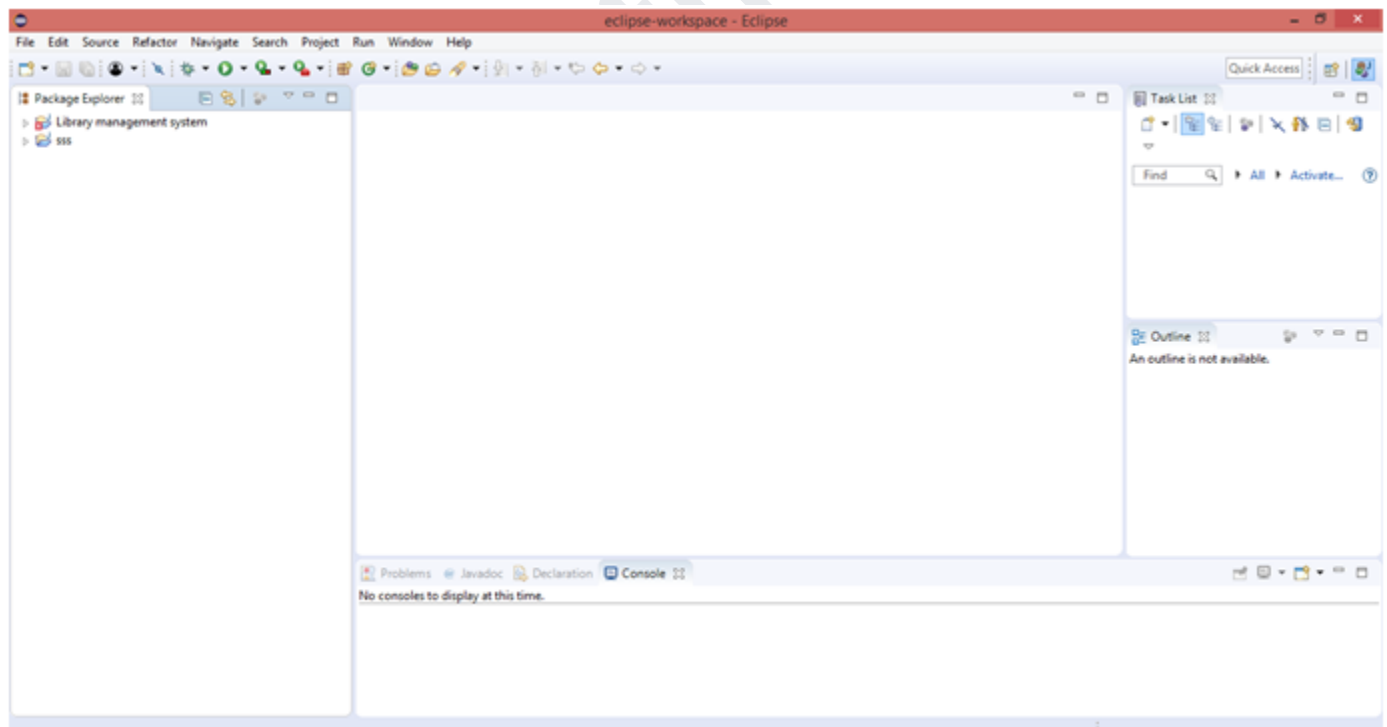
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We have got the Eclipse IDE opened on our system. However, the screen will appear like the following. Now, we are all set to configure Eclipse in order to run the JavaFX application.



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