**Document complete instructions to install all automation components**

The process of installing Selenium involves 3 steps

1. [Install Java](https://www.edureka.co/blog/selenium-installation/#JavaInstallation)
2. [Install Eclipse IDE](https://www.edureka.co/blog/selenium-installation/#ConfiguringEclipseIDE)
3. [Install Selenium WebDriver](https://www.edureka.co/blog/selenium-installation/#ConfiguringSelenium)

**Java Installation:**

The very first step, needed for Java installation is to configure Java environment so that later on Java codes can be used to drive the selenium.

Steps to complete [Java](https://www.edureka.co/blog/java-tutorial/) installation-

\*Go to the [Java Downloads Page](http://www.oracle.com/technetwork/java/javase/downloads/index.html) and click on the option for Java Platform (JDK).

* In the next page, select the Accept License Agreement radio button, accept it and click the download link against matching system configuration.
* Can run the installer once the download is over and follow onscreen instructions.
  + - Go to start and search for ‘System’
    - Click on ‘System’
    - Click on ‘Advanced system settings’
    - Click on ‘Environment Variables’ under ‘Advanced’ tab
    - Next, under system variables choose new and enter the variable name as ‘JAVA\_HOME’ and the full path to Java installation directory as per system
    - Next configure the environment variables.
* Under ‘Variable value’, at the end of the line, enter the following path –  ***%JAVA\_HOME%bin;***Now, click ‘OK’.
* Now to cross-check the installation, just run following command in cmd –***java -version***. It should display the installed version of Java in your system.

**Eclipse Installation:**

* Navigate to the following URL – [https://www.eclipse.org/downloads/](https://www.eclipse.org/downloads/packages/release/indigo/sr2/eclipse-ide-java-ee-developers) and select the download link depending on system architecture – (32 Bit or 64 Bit) and download it.
* Once the download is over, extract the zipped file and save it to any directory. The root folder is the eclipse.
* Open the folder and launch eclipse.exe.

**Selenium Installation & Configure to the System:**

**Install Selenium Web Driver**

* Open the browser and navigate to [http://www.seleniumhq.org.](http://www.seleniumhq.org/)
* Click ‘Download’ menu and choose ‘Download version’.
* The download should get started for ‘selenium-server-standalone-x.y.z.jar’. Save this JAR in “C:Selenium”.
* Next, download [Selenium](https://www.edureka.co/blog/selenium-tutorial) Java Client. In the same downloads page, scroll down and Extract the zip file and save it in your selenium folder.
* Next, download Chrome Driver for Google Chrome and Gecko Driver for using Mozilla Firefox.
* In the same downloads page, scroll further down and will find third-party drivers section. There will be an options for downloading gecko driver and chrome driver.
* Will find a section called Selenium Client and WebDriver Language. Now, click on Download link under Java.
* In the next page, will find the latest version available. Choose that and download based on the system configuration. Refer the image for OS configuration.
* Download the driver or extract the zip file and save it in any location. Also can download the latest version of [gecko driver](https://github.com/mozilla/geckodriver/releases) and save it if using the Mozilla browser.
* Next, create a new project in Eclipse IDE and add all the external selenium jar files from selenium lib directory.
  + First, launch Eclipse and create new project
  + Next, specify the name of the project and create a class
  + Create a class file and give public access modifier
  + Next, add referenced libraries to the project. Click on  project -> Build Path -> Configure Build Path and add external JARs.
  + Now, all set to execute the Selenium program.