Deploying a web application on Openshift through Eclipse

1) **Upgrade Java.**
   Explanation – Jboss which is used in Openshift is compatible with Java 1.8. Hence we need to use that version. To check the current version of java, type 'java –version' on the terminal. It would be either 1.6 or 1.7. To upgrade Java -
   Commands to be executed on terminal:

   sudo add-apt-repository ppa:webupd8team/java
   sudo apt-get update
   sudo apt-get install oracle-java8-installer

   Type 'java –version' on the terminal again to check if it is now showing 1.8.

2) **Install Eclipse Mars EE.**
   Explanation – Since Eclipse is an open source IDE, it can be freely downloaded from its official website. There are multiple ways of downloading and installing Eclipse. One way is as follows:
   Open the following website in the browser –
   http://www.eclipse.org/downloads/
   Download the Eclipse Installer for Linux 64 bit OS. Once the installer is downloaded, run the executable file. It asks for the version of Eclipse to be downloaded. Select 'Eclipse IDE for Java EE developers' and install it.
   At the end of this step, Eclipse Mars EE must be installed on the computer.

   Change the name of the workspace to "workspace1" to avoid conflicts with the existing Eclipse IDE.

3) **Create an account on Openshift.**
   Explanation – To be able to deploy our application on Openshift, it is necessary that we must have an Openshift account.
   Open the following website in the browser –
   https://www.openshift.com/
   Click on 'Sign Up for Free' and enter your credentials. You will be asked to verify your details through your email account.
   Once your account is created, click on 'Applications'. Here, you need to set up your namespace.