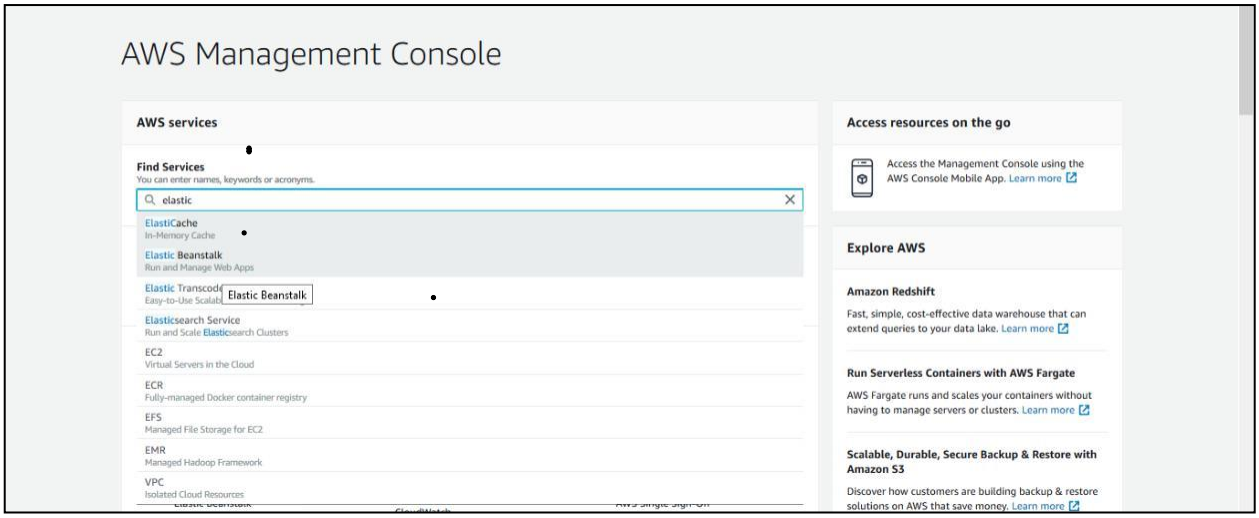
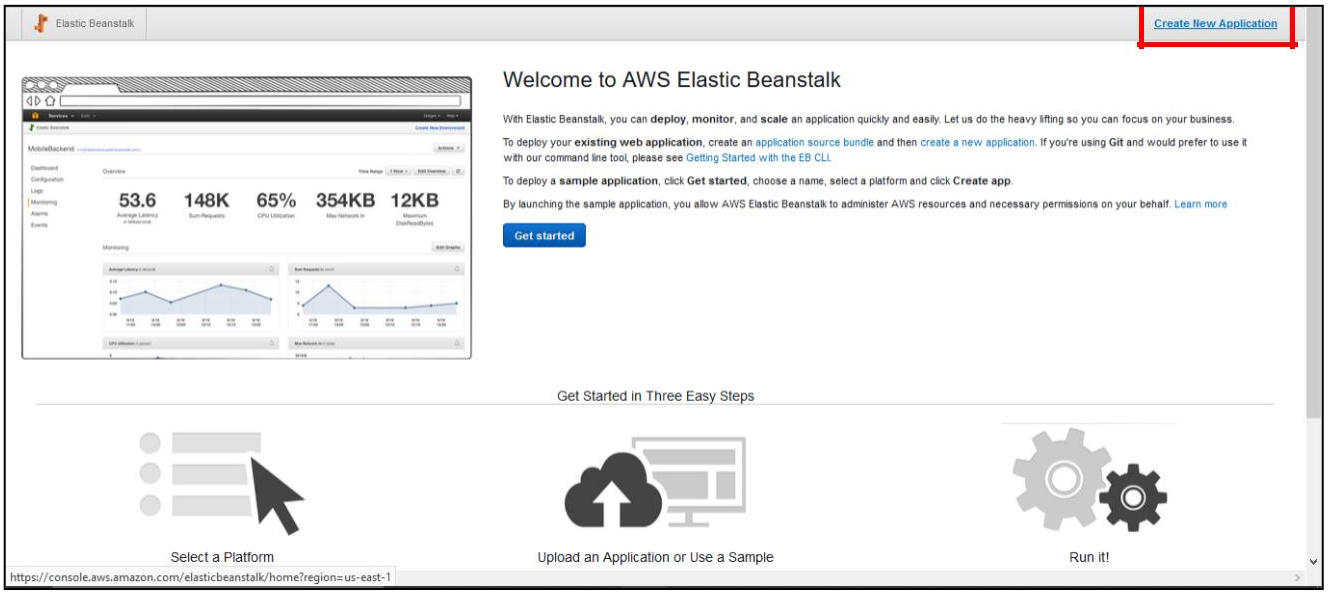
Practical 7: Deploy a Web Application on AWS.

Solution :

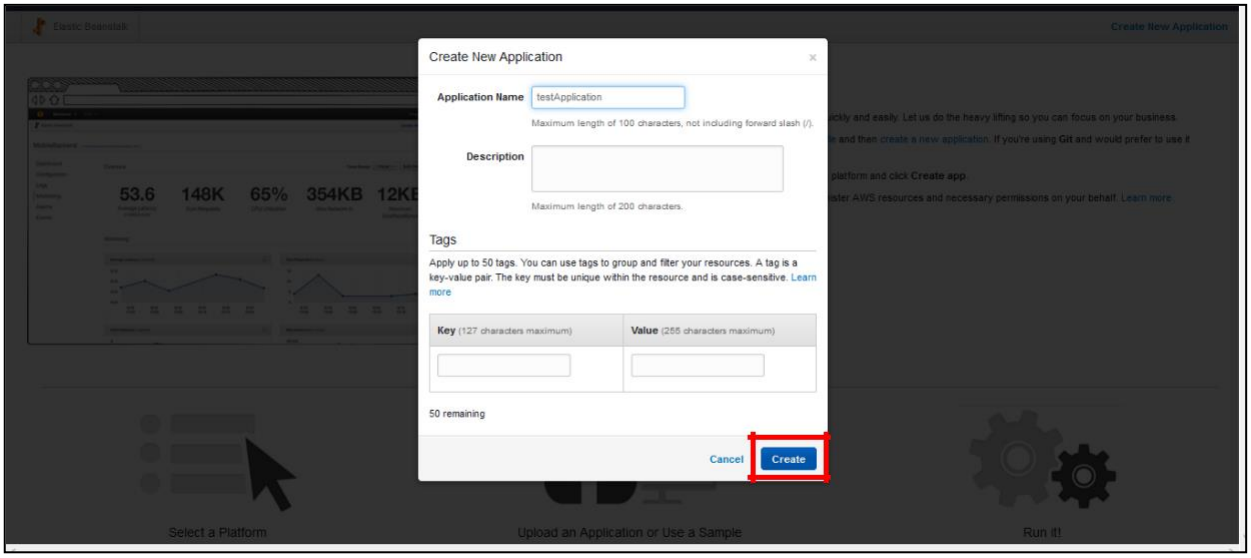
Step 1. Go to AWS dashboard, search and select **Elastic BeanStalk**



Step 2. Select Create New Application at Elastic Beanstalk Dashboard

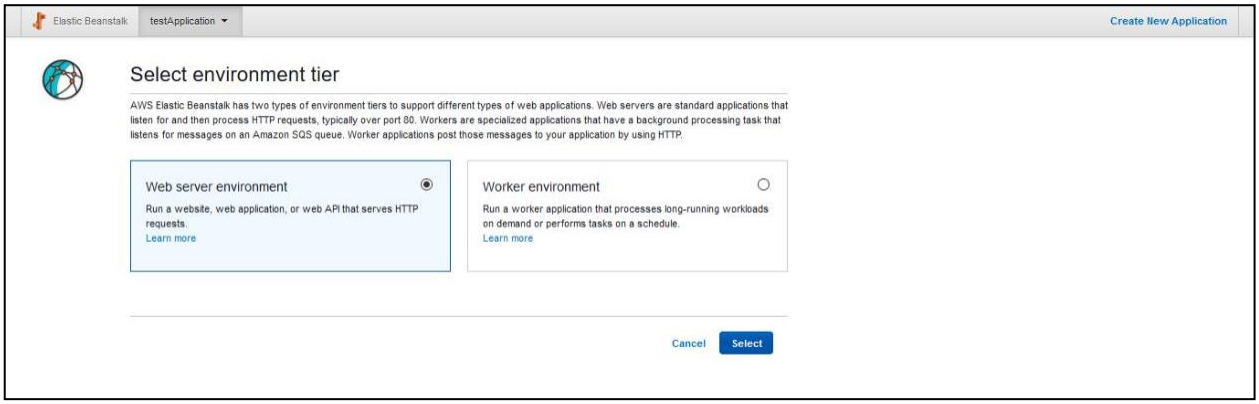


Step 3. Write any name in Application name here we have mentioned **testApplication,** then select create option.

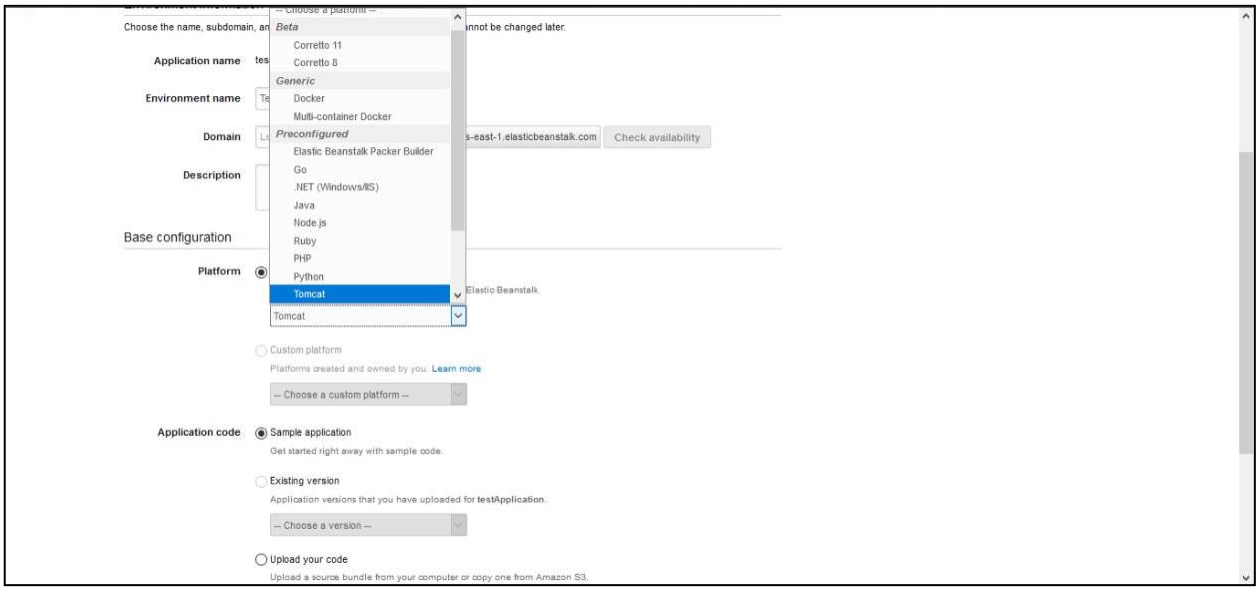


Step 4. Now the application dashboard will open. In the dashboard select **Create one now**

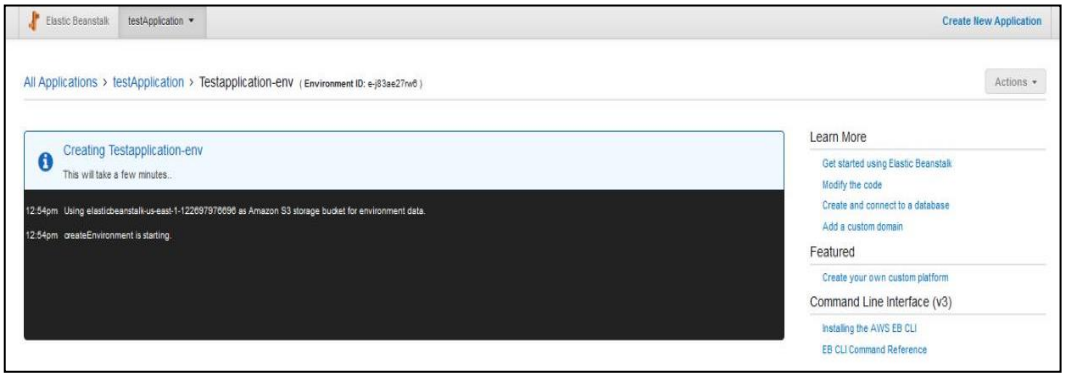
Step 5. Select Web Server Environment and proceed



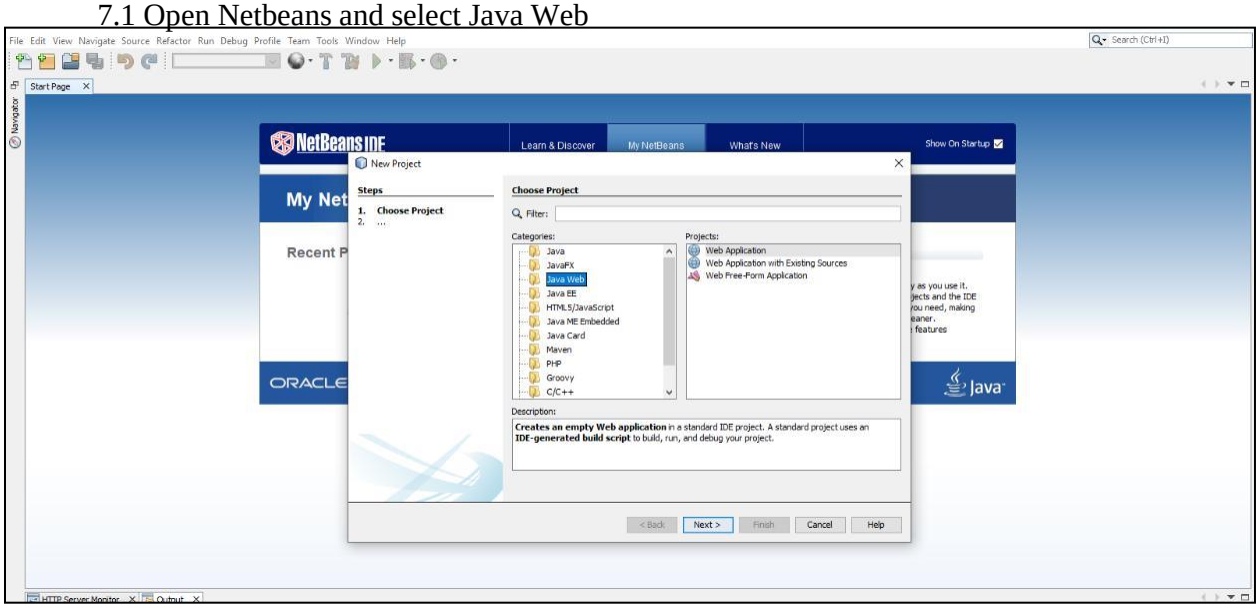
Step 6. As we are deploying a java web application select **tomcat** in platform.
Continue further by selecting **Create Environment**



- It will take time to create the server so wait.

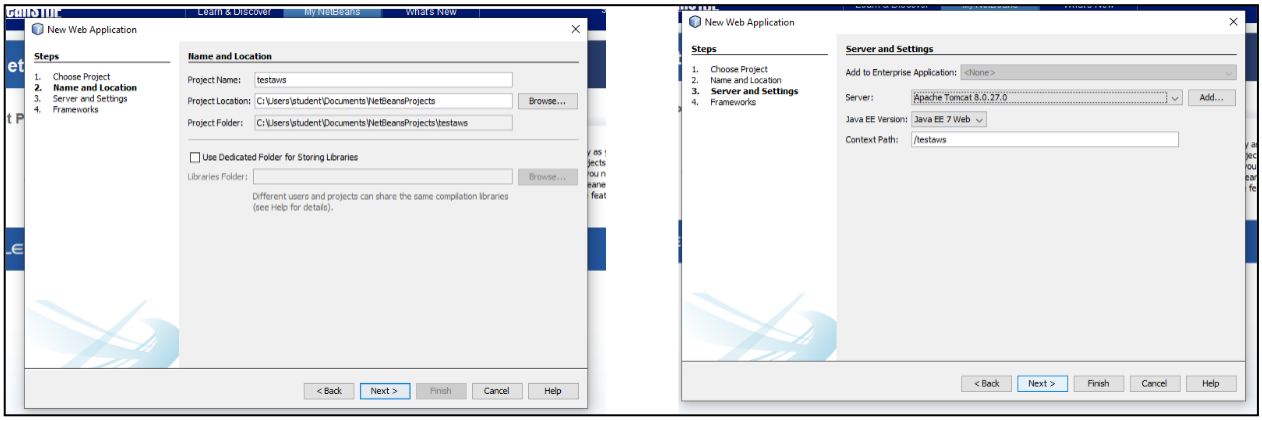


Step 7. Create a Web Application for AWS in Netbeans
7.1 Open Netbeans and select Java Web

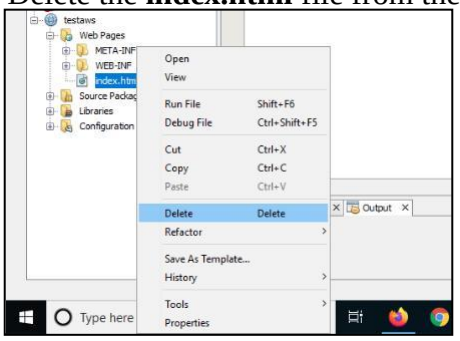


7.2 Name the app : **testaws**

7.3 In server select **Apache tomcat** & **finish**

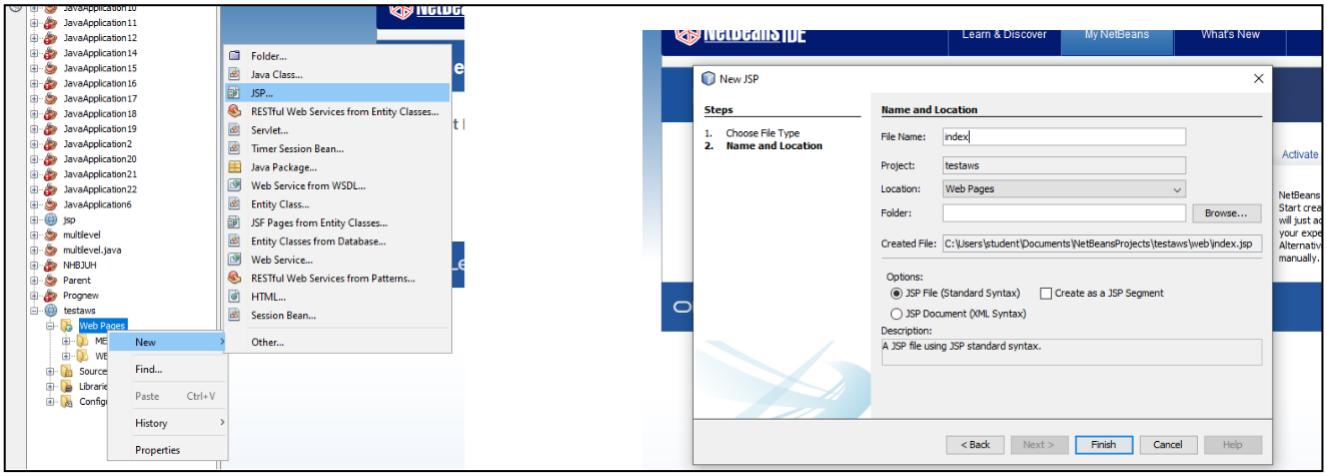


7.4 Delete the **index.html** file from the package



7.5 In the webpage create a new jsp File

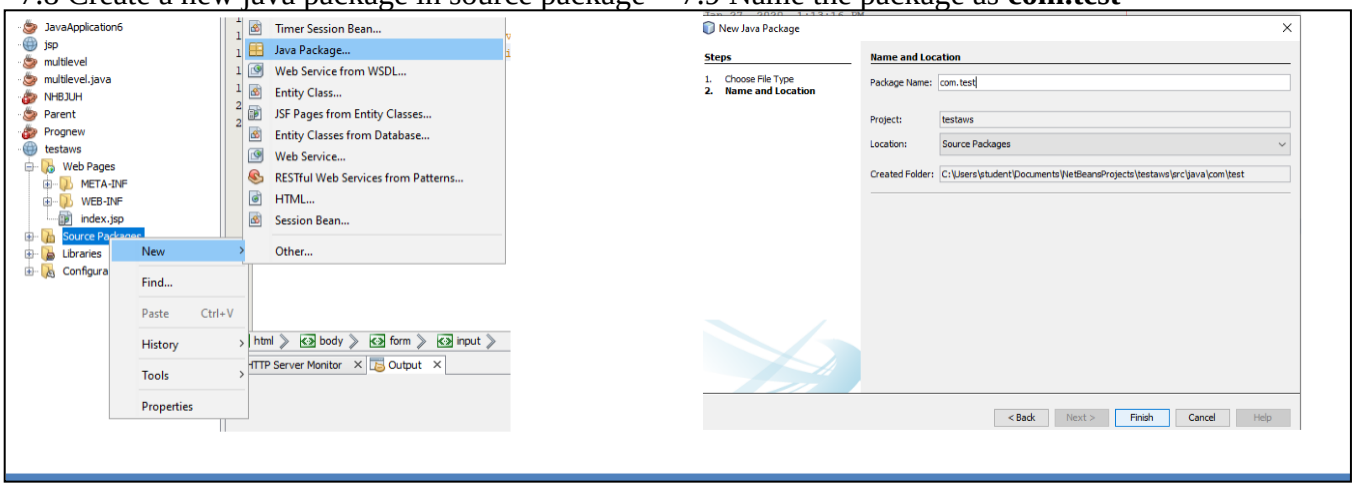
7.6 Name it as index



7.7 Create a form tag after hello world line

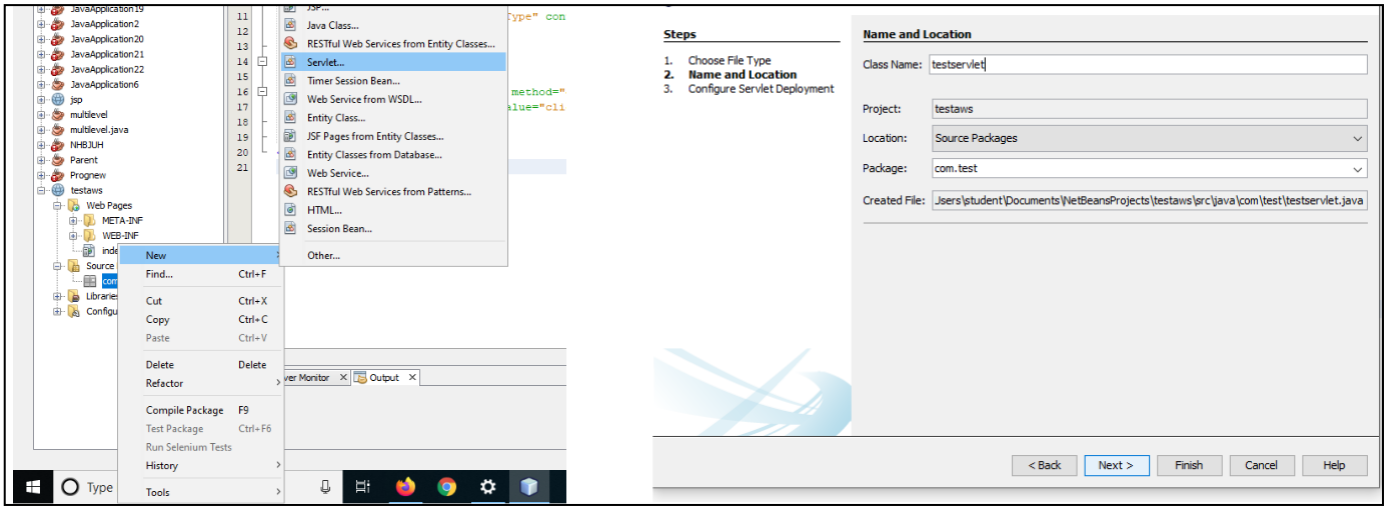
7.8 Create a new java package in source package

7.9 Name the package as **com.test**

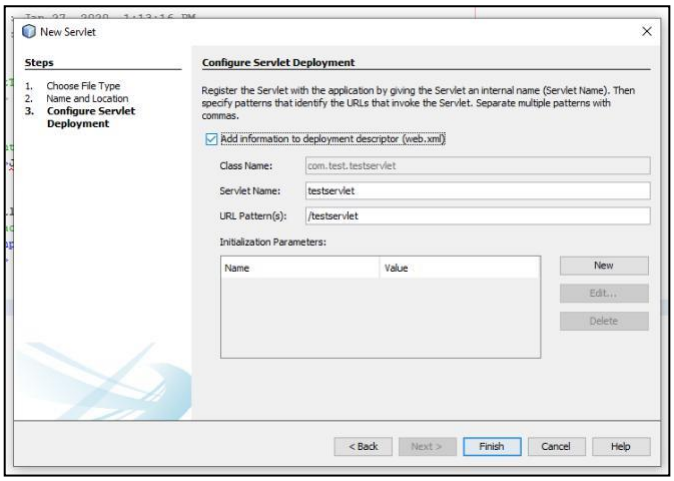


7.10 Create a new servlet in **com.test** package

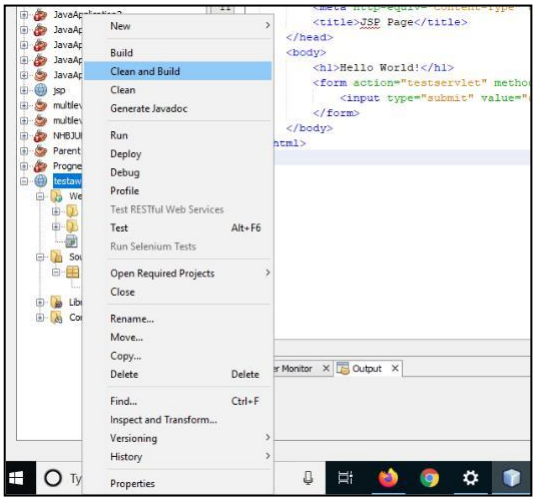
7.11 Name it as **testservelet** and proceed



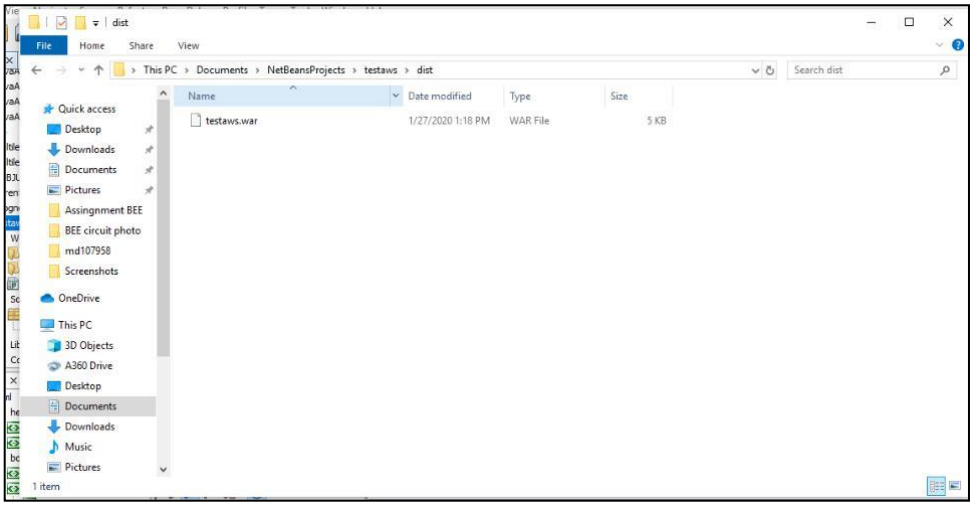
7.12 In the Configure Servlet Deployment check **Add information to deployment descriptor (web.xml)**



7.13 Now select the Web App and select option **Clean and Build**

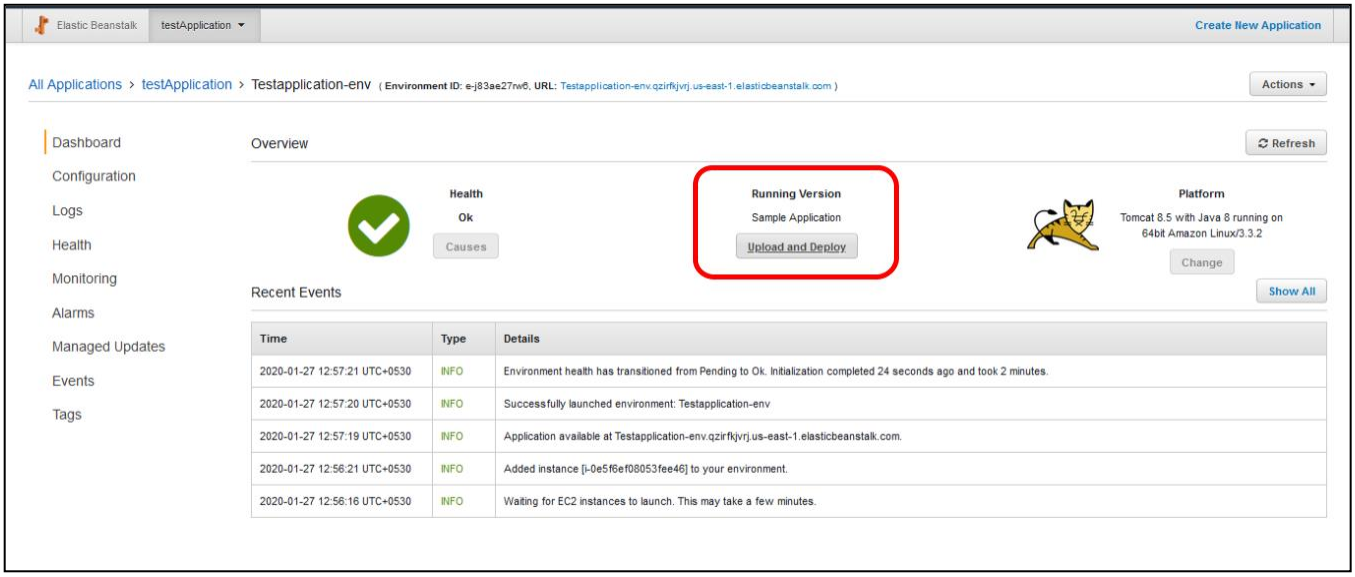


Step 8. Since we build the app, there will be a **.war** file created in project **dist** folder.

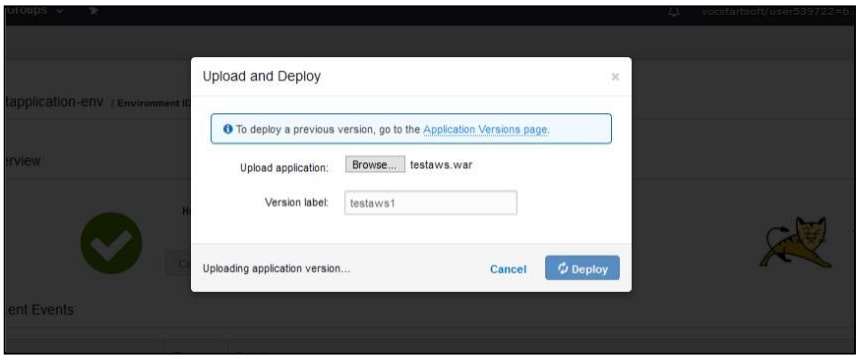


Step 9. Upload and deploy

9.1 Go to the AWS dashboard and select the application which you created. Select Upload and Deploy option.

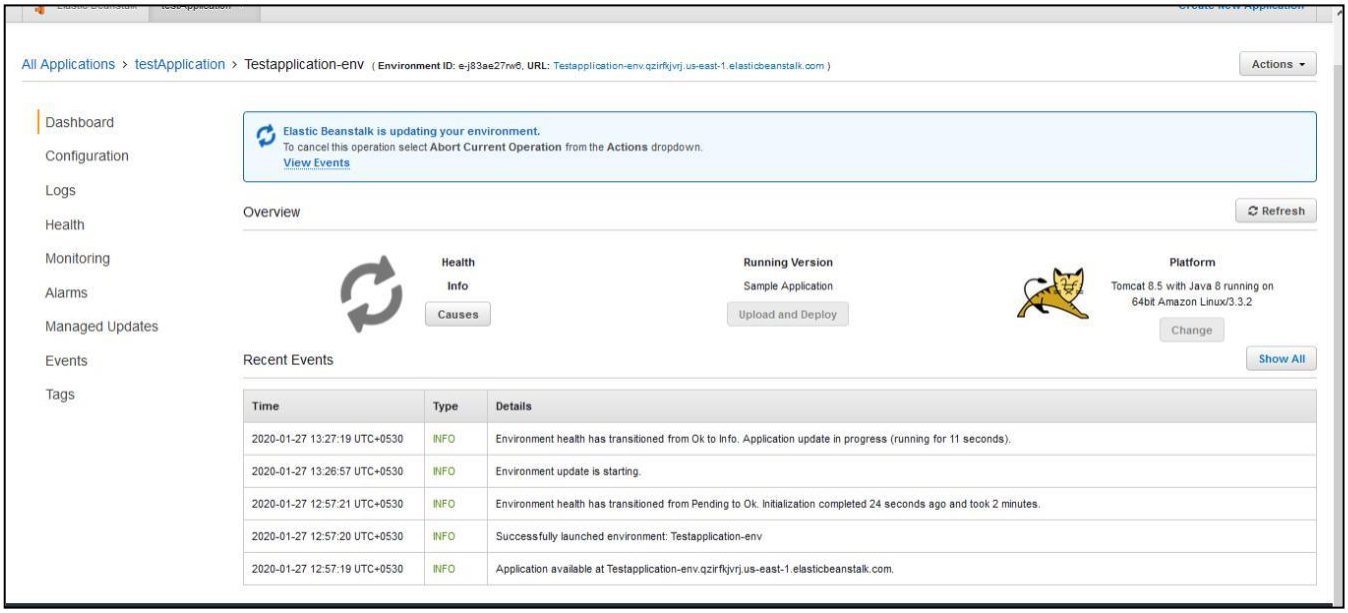


9.2 In the location of the **.war** file and upload it. Name it as **testaws1** or whatever you want.
Deploy it after the war file is uploaded.

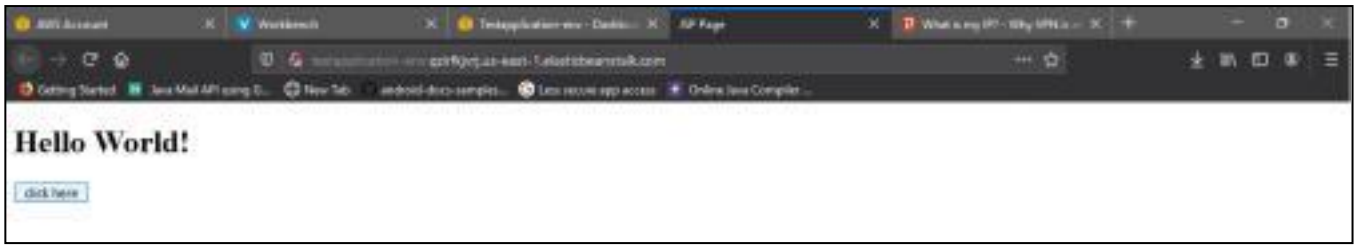


Step 10. Checking the app in online or not ?

10.1 When the app is successfully deployed, the pop-up will be gone and a link will be generated. Click on that link and a new tab will be opened, with the deployed application.



10.2 As we can see the application is working. We a click here button which we created.



10.3 As we click on the click here button we are redirected to testservlet. Hence the application is running.