**Name: Shashwat Kumar**

**Roll Number: R171218093**

**SAP ID: 500068392**

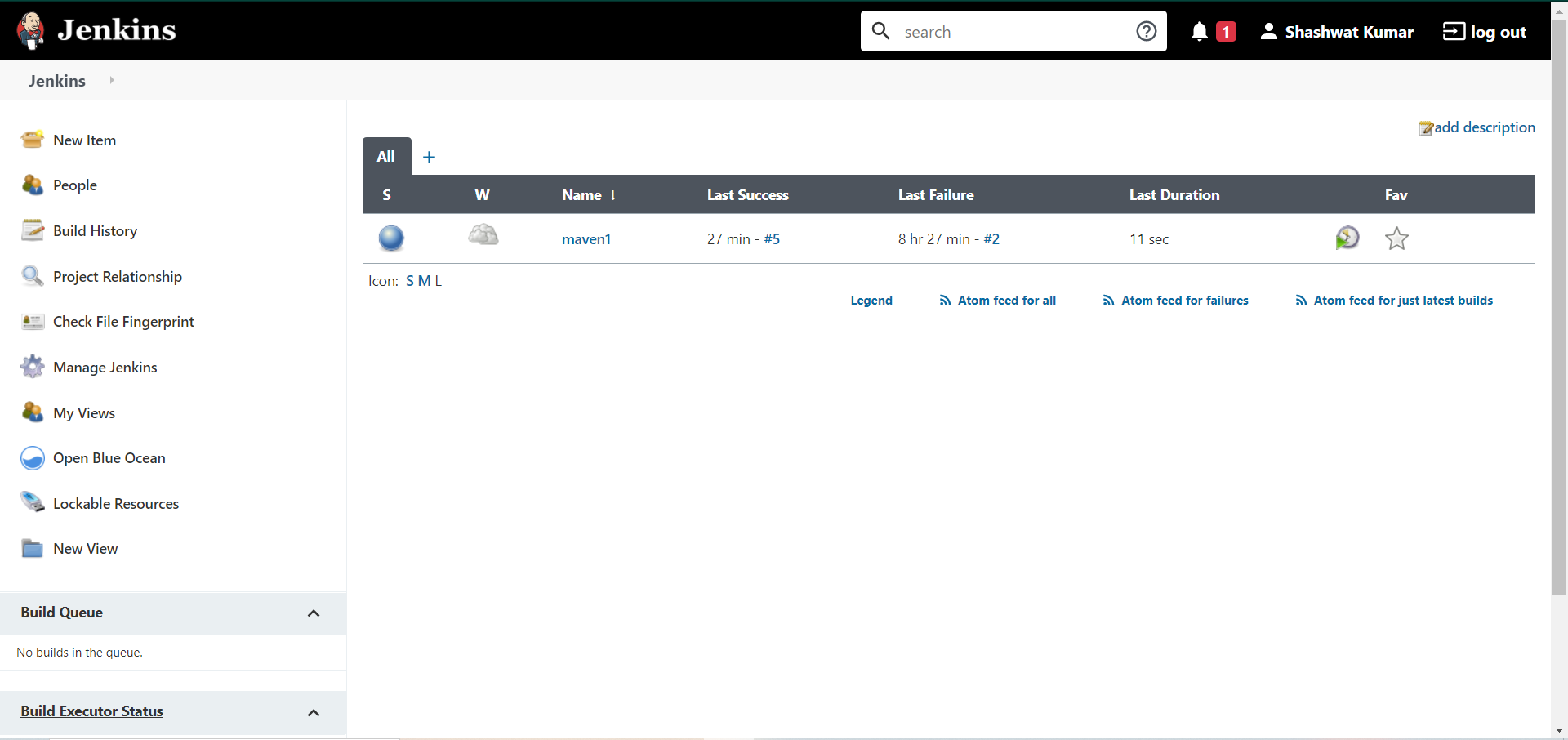
**Lab: 7**

**Create Pipeline using Blue Oceans Plugin**

**Solution:**

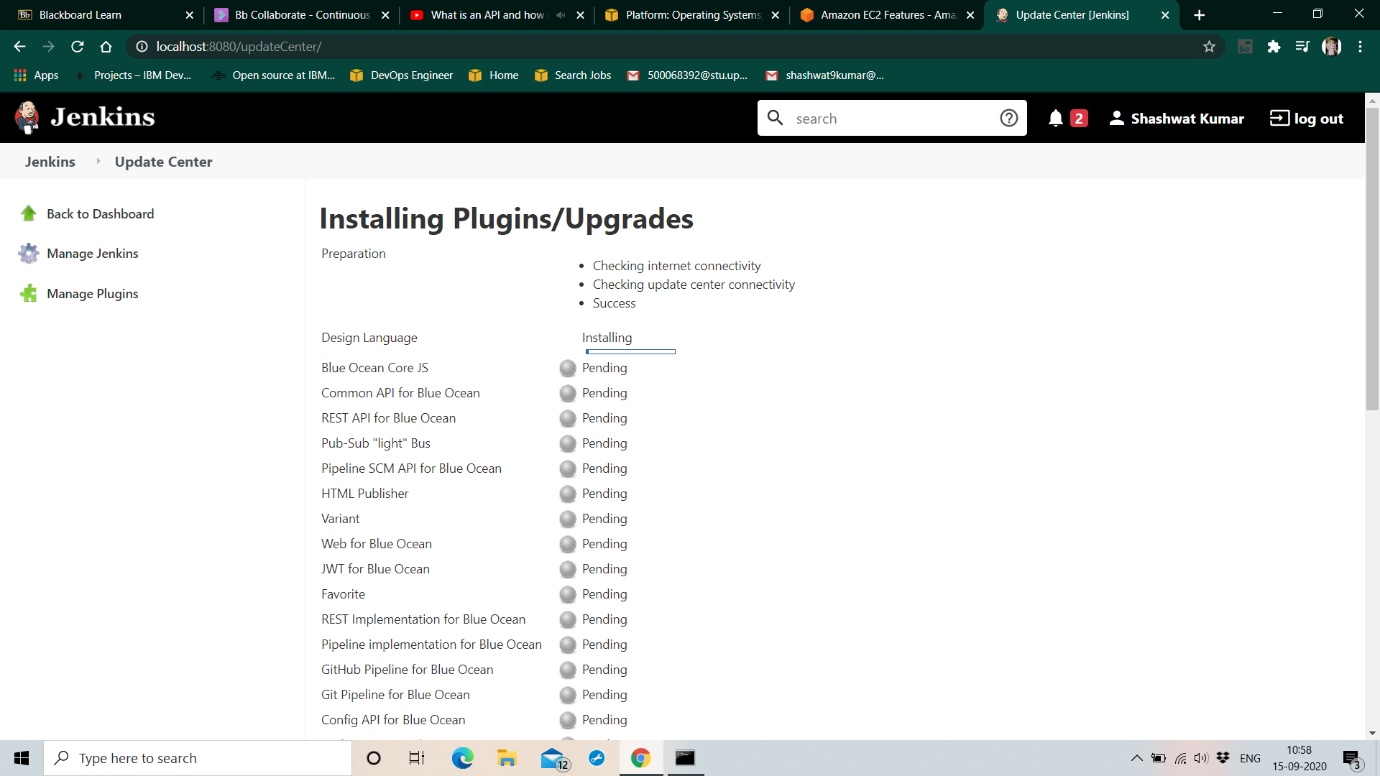
Start the Jenkins service using the java -jar jenkins.war command in the command prompt

Go to the Jenkins dashboard at localhost:8080

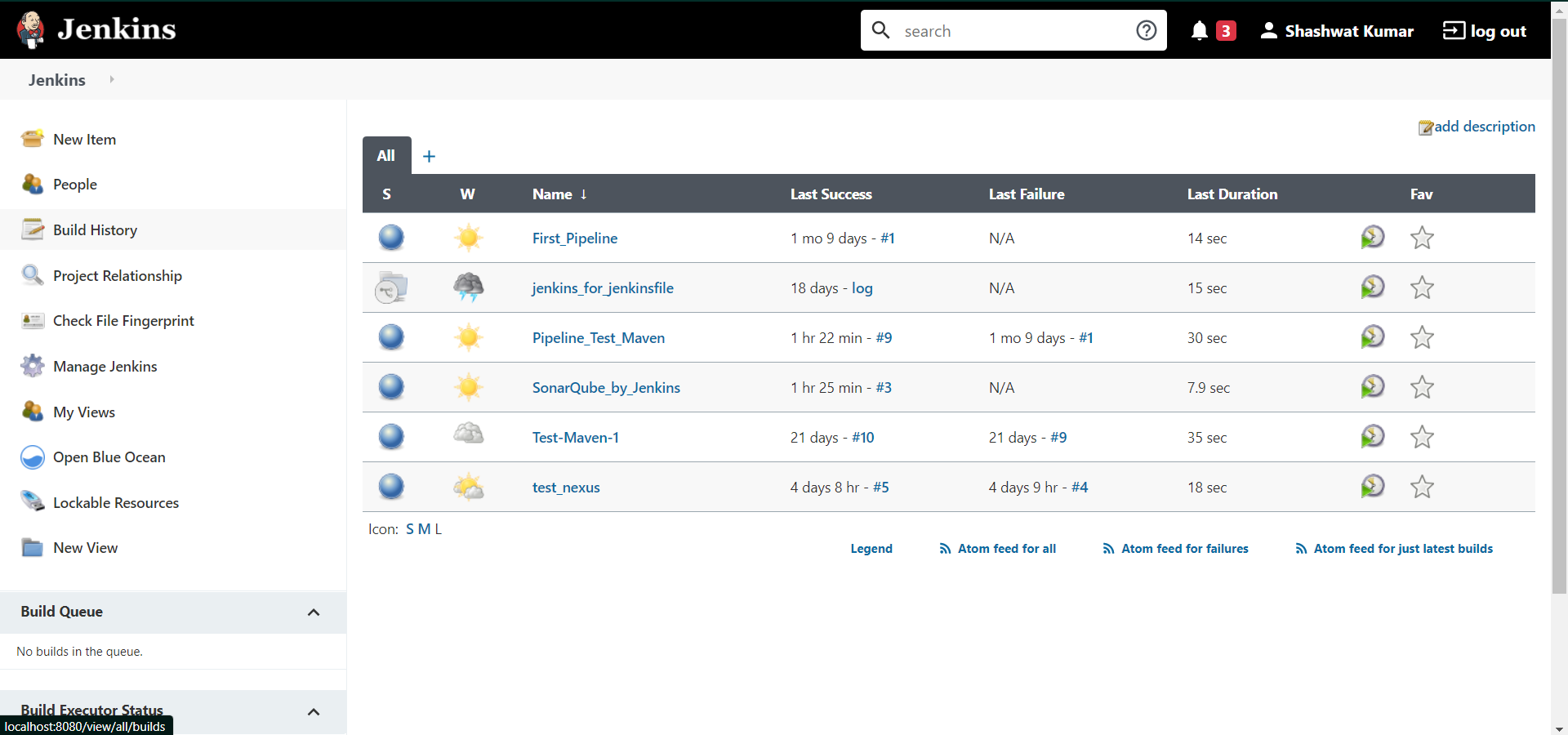


Go to Manage Jenkins and then to manage plugins

Find Blue Ocean plugin and install it in Jenkins



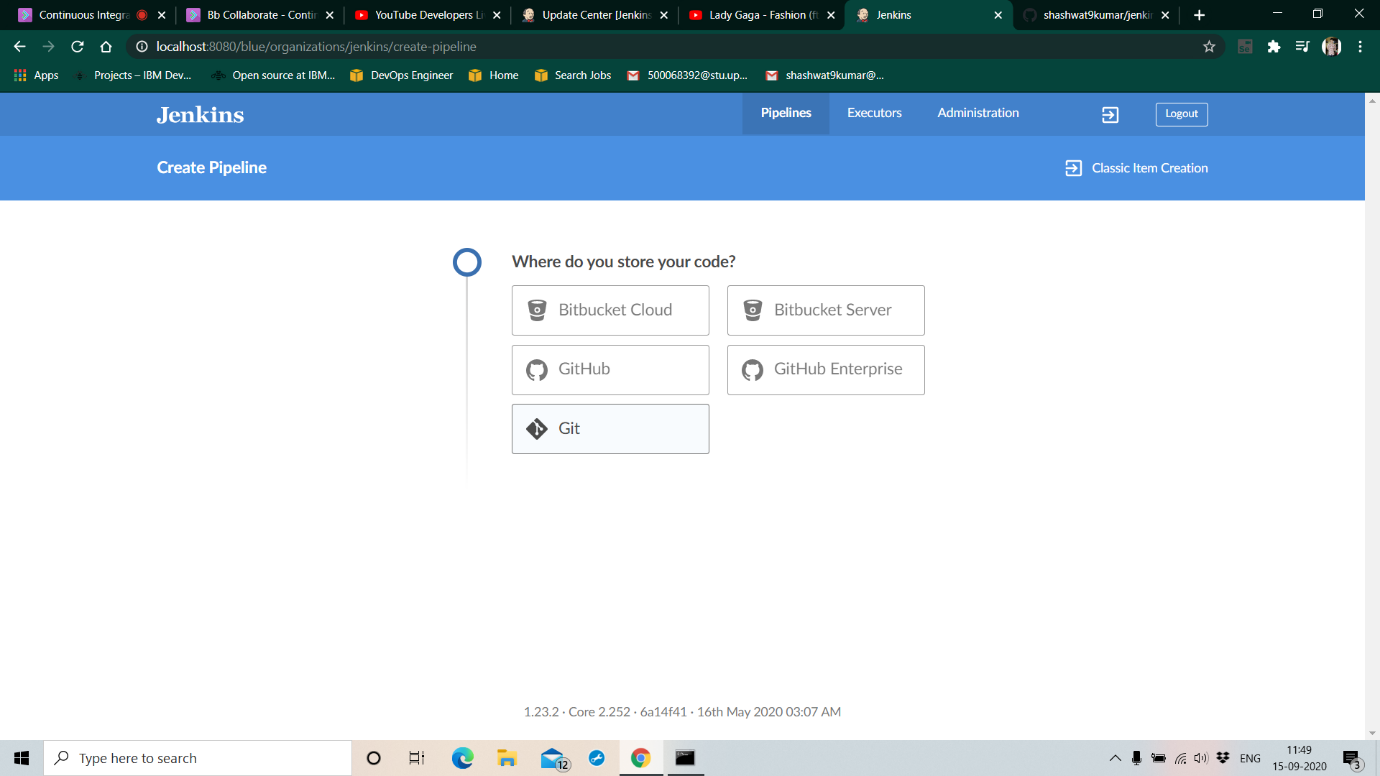
Now you’ll be able to see the Blue Oceans option on the main dashboard



Go to the Blue Ocean Pipeline

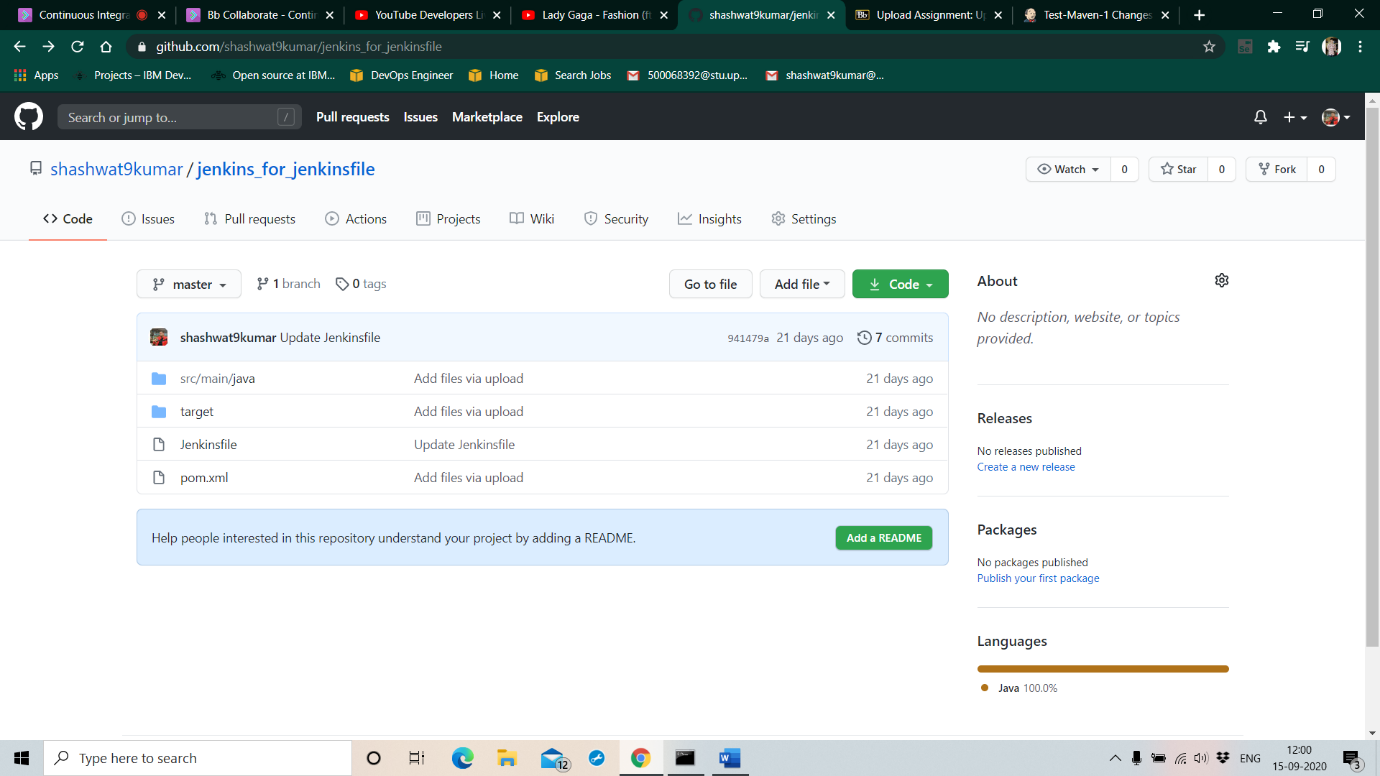
You will land on a page very similar to this

Select Git as the SCM manager for the project



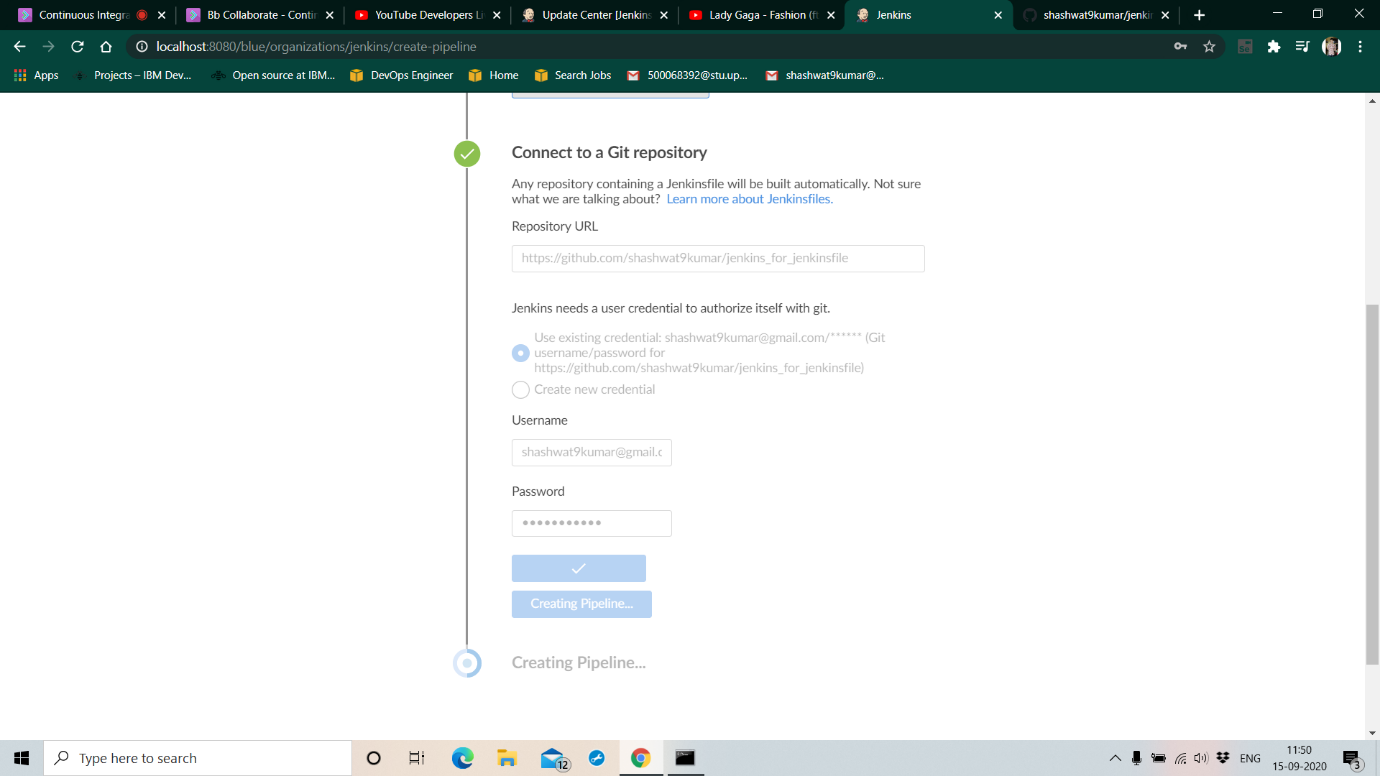
Go to the maven project for which you want to build the pipeline.

The functionality of the pipeline is defined in the Jenkinsfile



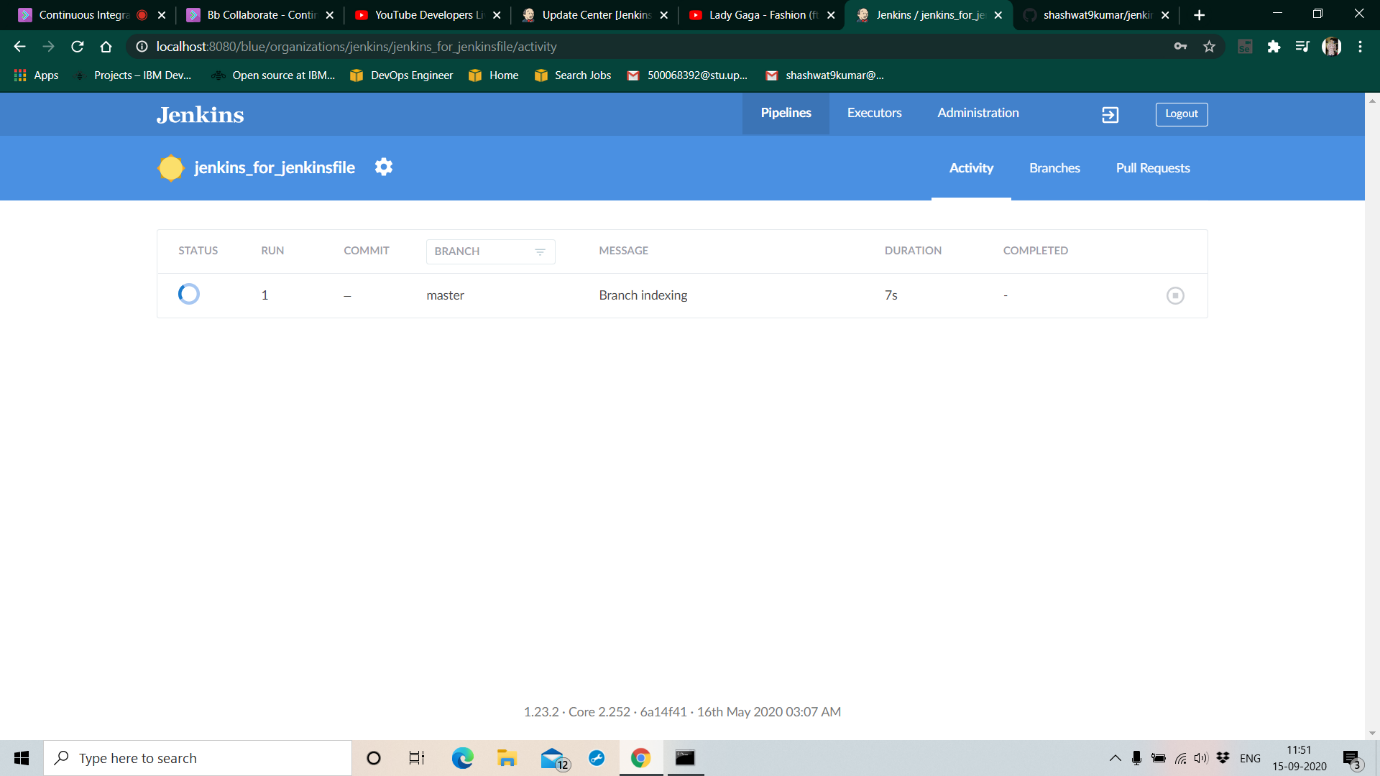
Provide the same repository URL in the required placeholder

Provide the username and password for your github account



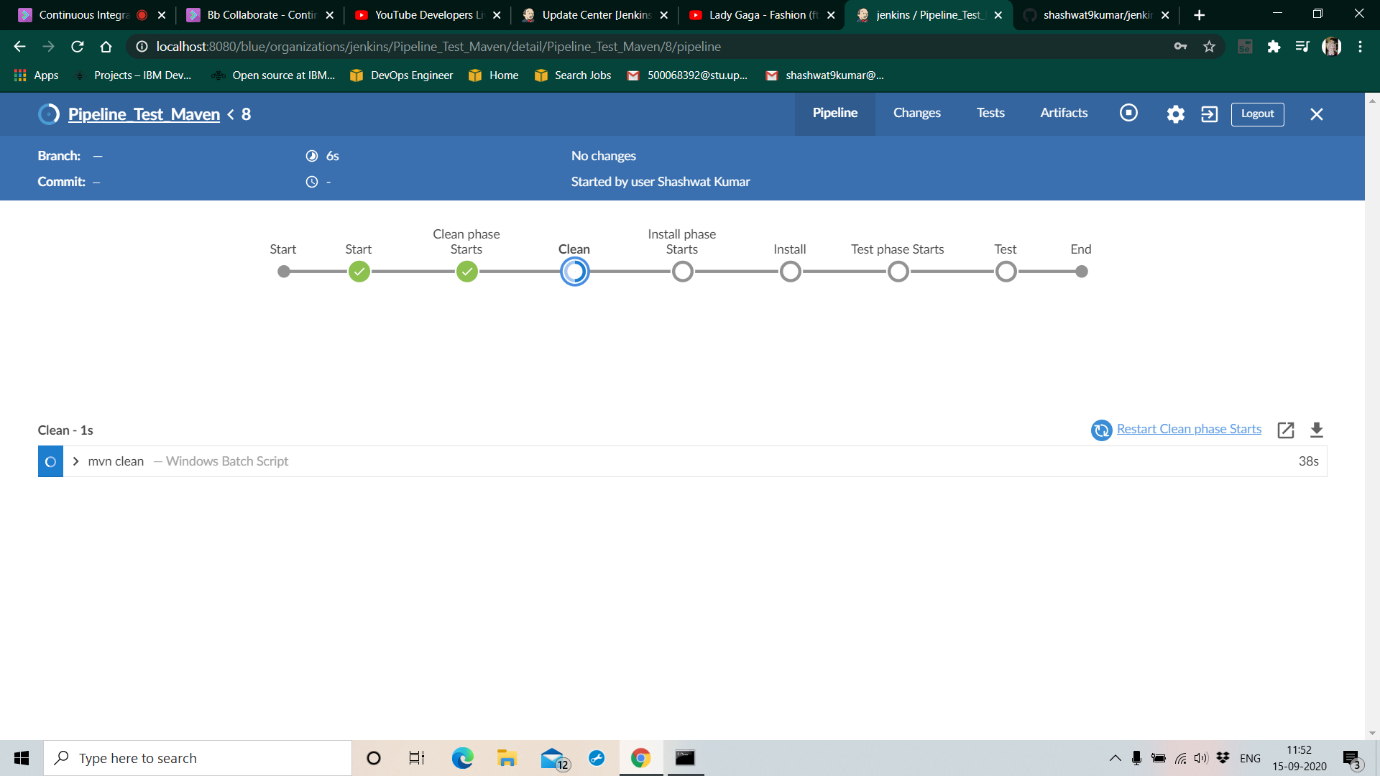
You will find a pipeline created very similar to the pipeline shown here

Click on the run button just next to it to initiate the build process



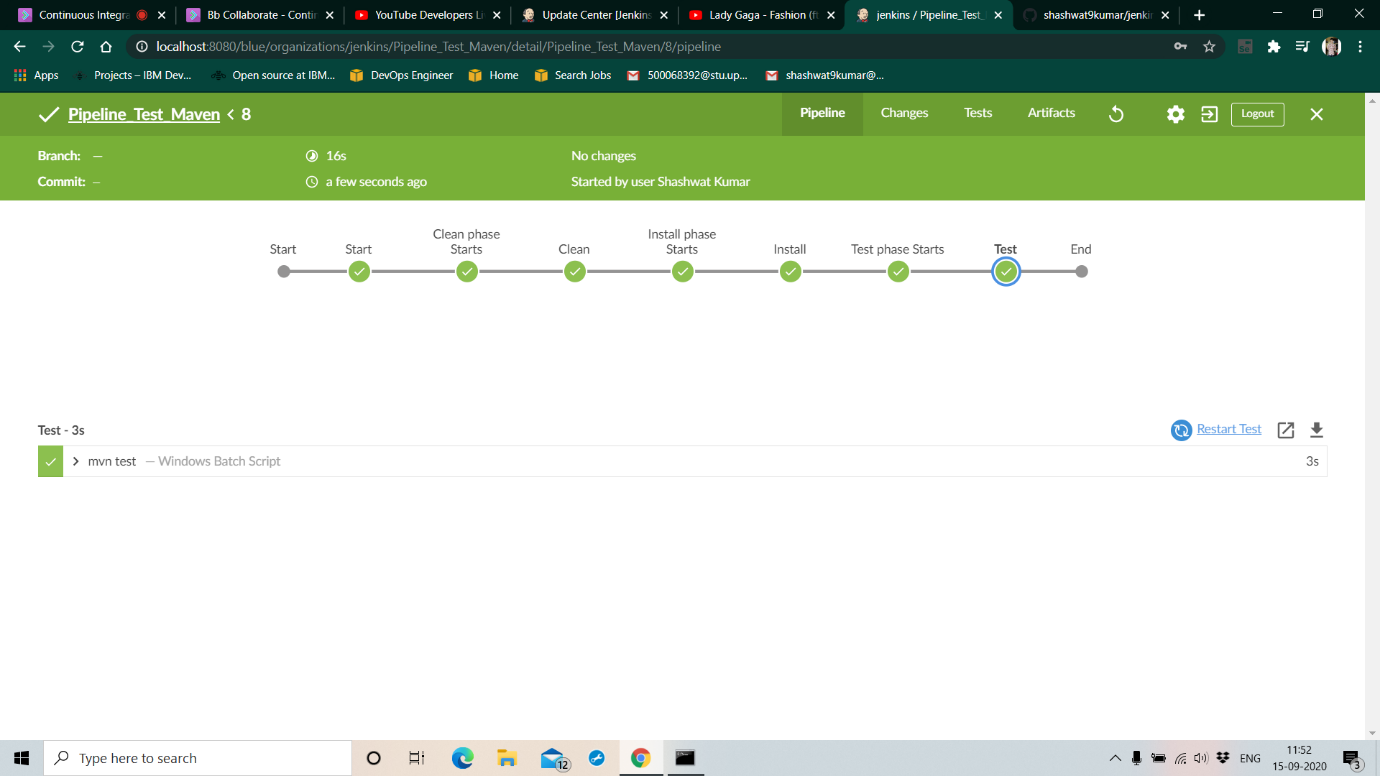
The build process starts

Blue Ocean provides a very graphical and visual appeal to the build pipeline that Jenkins manages



Once the Build process completes successfully, it would turn green

If any errors happens during the build process, the pipeline turns red.



The commands executed can also be seen in the terminal provided in the bottom half of the window.

