

UNIVERSITY OF PETROLEUM & ENERGY STUDIES Dehradun

CONTINOUS INTEGRATION AND CONTINOUS DELIVERY

Assignment-2

Name: Rakshit Kapoor

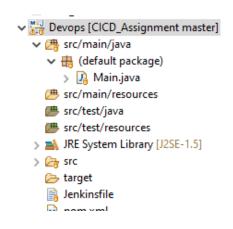
Course: B. TECH CSE DevOps (2018-22)

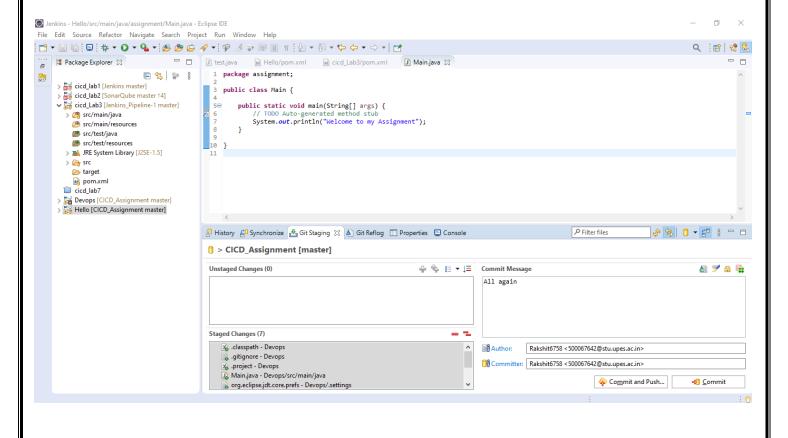
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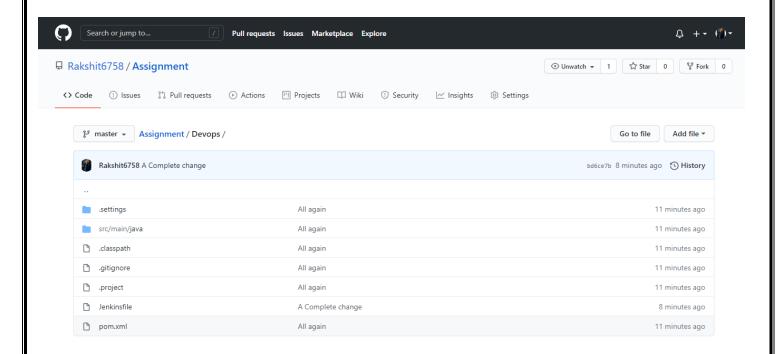
Assignment

Step 1: Create a maven project using Eclipse





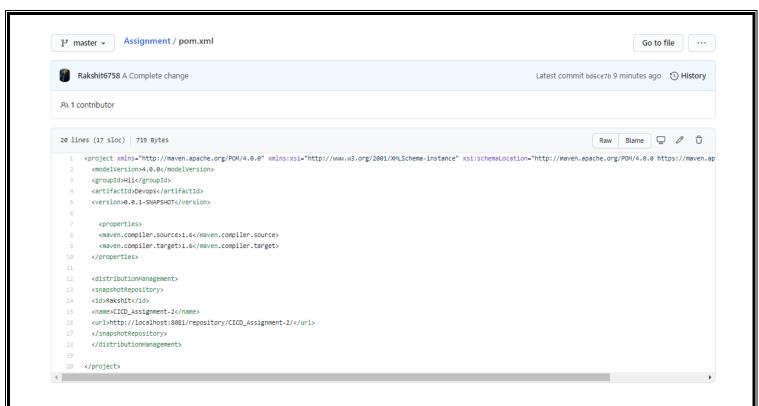
Step 2: Push the project to GitHub using eclipse.



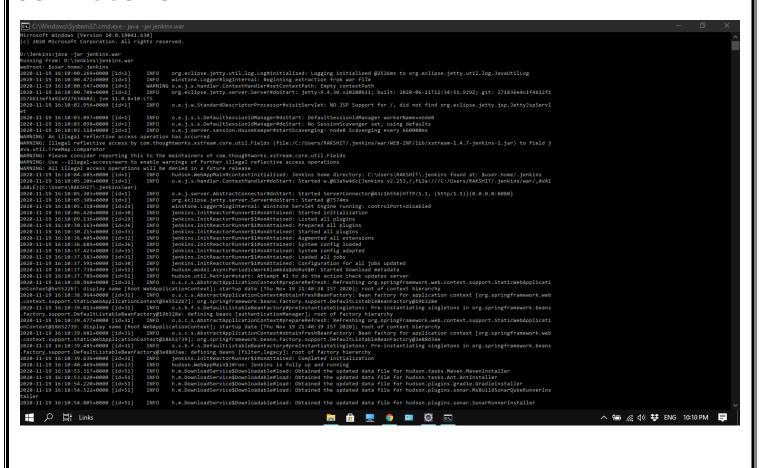
Step 3: Create a Jenkinsfile on GitHub and make changes to pom.xml file.

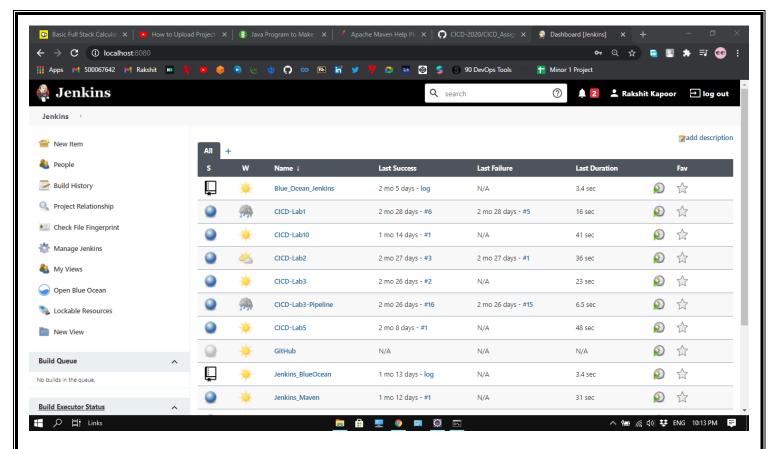
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At Contributor

21 lines (20 sloc) | 720 Bytes | Raw | Blame | Parameter | Par
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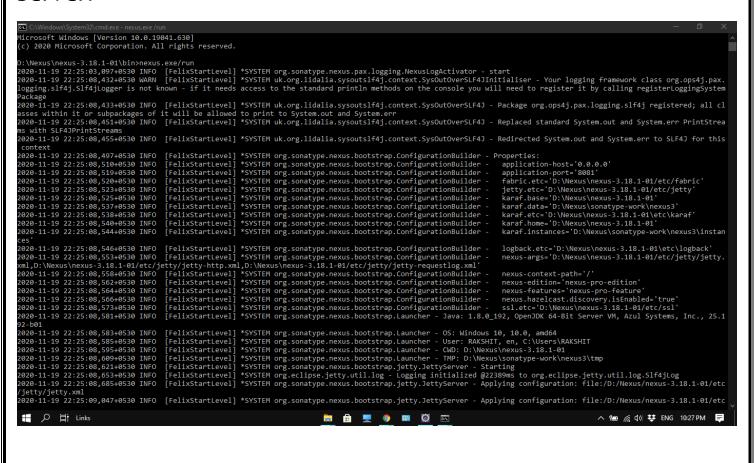


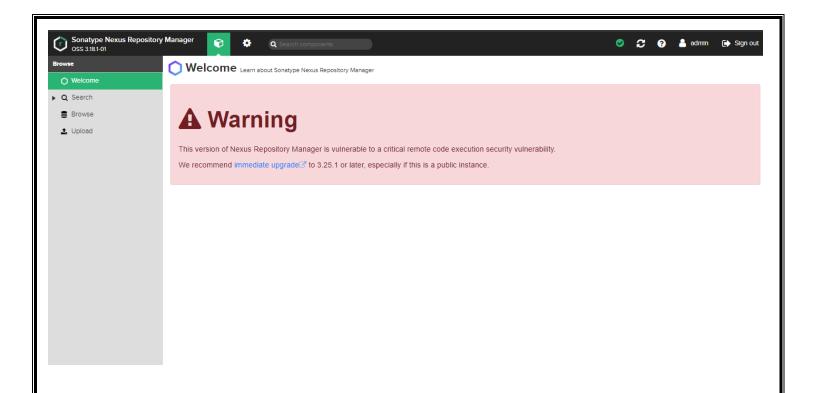
Step 4: Start Jenkins server using **java -jar Jenkins.war** on command line and type **localhost:8080** on the browser to start Jenkins server.



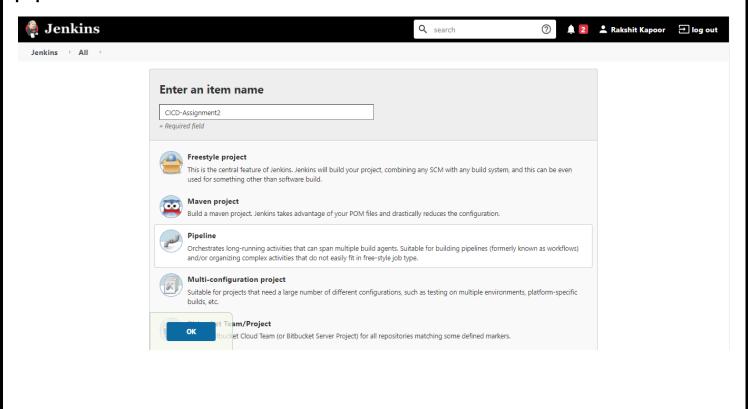


Step 5: Start Nexus server using **nexus.exe** /**run** on command line and type **localhost:8081** on the browser to start Jenkins server.

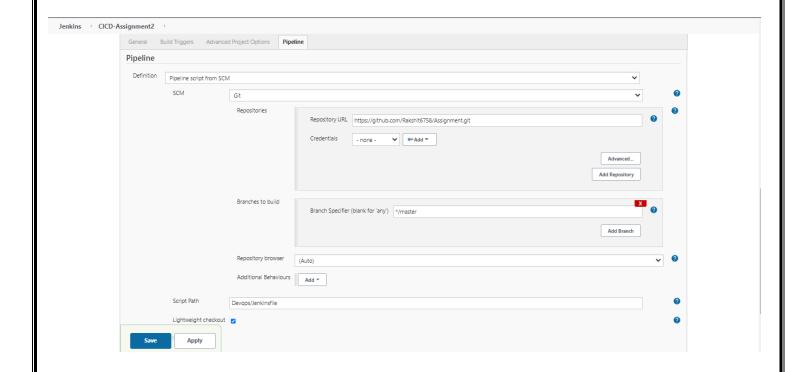




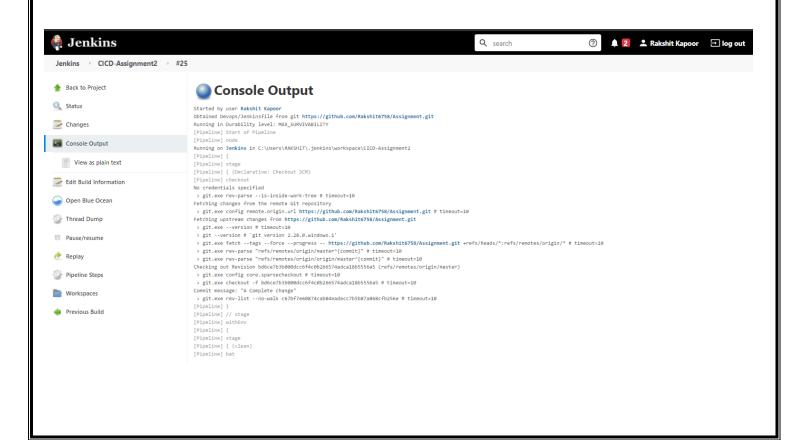
Step 6: Click on new item and provide the name and select pipeline



Step 7: Provide the path of the repository and Jenkinsfile as well and click on save.



Step 8: Click on build now and see the results at console output.



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```
C:\Users\RAKSHIT\.jenkins\workspace\CICD-Assignment2>mvn clean
[INFO] Scanning for projects...
[INFO]
                                                                                         -< Hii:Devops >----
[INFO] ------
[INFO] Building Devops 0.0.1-SNAPSHOT
[INFO] -----
                                       -----[ jar ]------
[IMFO] --- maven-clean-plugin:2.5:clean (default-clean) @ Devops --
[INFO] Deleting C:\Users\RAKSHIT\.jenkins\workspace\CICD-Assignment2\target
[INFO] ----
[INFO] BUILD SUCCESS
[INFO] Total time: 0.720 s
 [INFO] Finished at: 2020-11-20T18:29:55+05:30
C:\Users\RAKSHIT\.jenkins\workspace\CICD-Assignment2>mvn test
[INFO] Scanning for projects..
[INFO] --
                                  ------ Hii:Devops >-----
[INFO] Building Devops 0.0.1-SNAPSHOT
                                                                        -----[ jar ]-----
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ Devops ---
[IMNO] Using platform encoding (Cp152 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory C:\Users\MAXSHIT\_jenkins\workspace\CICD-Assignment2\src\main\resources
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ Devops ---
[INFO] No sources to compile
[INFO] [INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ Devops ---
[MARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] \ skip \ non \ existing \ resource Directory \ C:\Users\ RAKSHIT\ , jenkins\ workspace\ CICD-Assignment 2\ src\ test\ resources \ for \ in the property of the proper
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ Devops ---
```

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```
[INFO] --
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 2.991 s
[INFO] Finished at: 2020-11-20T18:30:02+05:30
[INFO] Finished at: 2020-11-2018:30:02405

[Pipeline] P

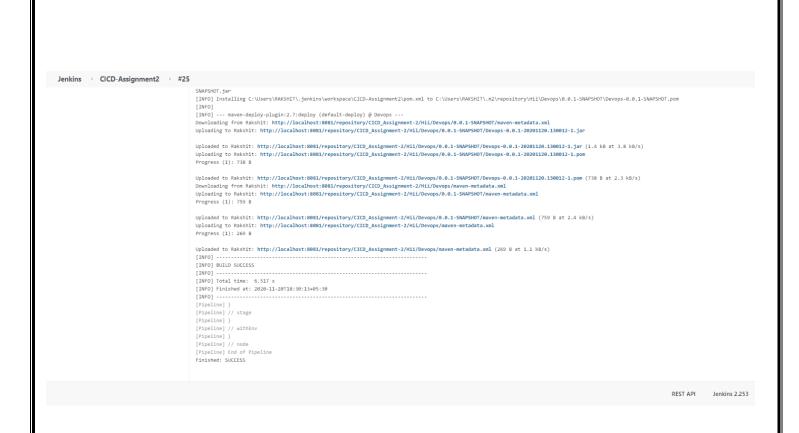
[Pipeline] // stage

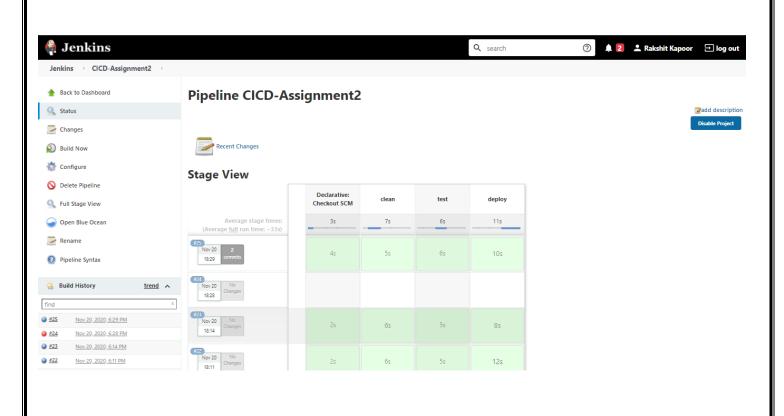
[Pipeline] stage

[Pipeline] tdeploy)

[Pipeline] bat
C:\Users\RAKSHIT\.jenkins\workspace\CICD-Assignment2>mvn deploy
[INFO] Scanning for projects..
[INFO]
[INFO] Building Devops 0.0.1-SNAPSHOT
[INFO] ------[ jar ]-----
[TNE01
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ Devops ---
[MANNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory C:\Users\RAKSHIT\.jenkins\workspace\CICD-Assignment2\src\main\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ Devops ---
[INFO] No sources to compile
[INFO]
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ Devops ---
[INFO] No sources to compile
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ Devops ---
[INFO] No tests to run
[INFO] IN tests to run.

[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ Devops ---
[MARNING] JAR will be empty - no content was marked for inclusion!
[INFO] Building jar: C:\Users\RAKSHIT\.jenkins\workspace\CICD-Assignment2\target\Devops-0.0.1-SNAPSHOT.jar
```





Step 9: The generated build gets pushed on the nexus server as well as.

