UE22CS351B – Cloud Computing

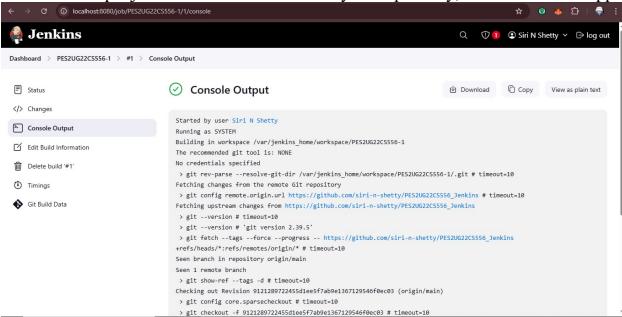
Lab 8: Jenkins

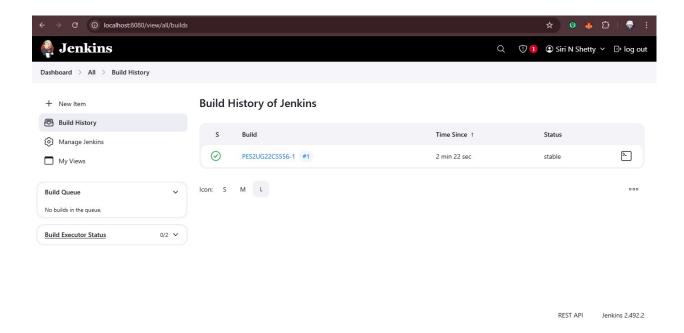
Siri N Shetty: PES2UG22CS556

Task -1: Set up Jenkins using Docker.

```
siri@DESKTOP-F9UMPJU: ~/cc-lab8/Dockerfile
                                                                                                           П
                                                                                                                ×
2025-03-10 09:56:56.401+0000 [id=44]
2025-03-10 09:56:56.402+0000 [id=44]
2025-03-10 09:56:56.408+0000 [id=33]
                                              jenkins.InitReactorRunner$1#onAttained: System config adapted
                                      INFO
                                              jenkins.InitReactorRunner$1#onAttained: Loaded all jobs
                                      INFO
                                             jenkins.InitReactorRunner$1#onAttained: Configuration for all jobs updat
                                             hudson.util.Retrier#start: Attempt #1 to do the action check updates ser
2025-03-10 09:56:56.446+0000 [id=60]
                                      INFO
2025-03-10 09:56:57.245+0000 [id=40]
                                      INFO
                                             jenkins.install.SetupWizard#init:
 Jenkins initial setup is required. An admin user has been created and a password generated.
Please use the following password to proceed to installation:
2300582b77bb4fa99a01493965dc3d52
This may also be found at: /var/jenkins_home/secrets/initialAdminPassword
 2025-03-10 09:57:08.675+0000 [id=40]
2025-03-10 09:57:08.696+0000 [id=25]
2025-03-10 09:57:11.364+0000 [id=60]
                                      INFO
                                             jenkins.InitReactorRunner$1#onAttained: Completed initialization
                                             hudson.lifecycle.Lifecycle#onReady: Jenkins is fully up and running
                                      INFO
                                             h.m.DownloadService$Downloadable#load: Obtained the updated data file fo
 hudson.tasks.Maven.MavenInstaller
2025-03-10 09:57:11.366+0000 [id=60]
                                      TNFO
                                             hudson.util.Retrier#start: Performed the action check updates server such
cessfully at the attempt #1
```

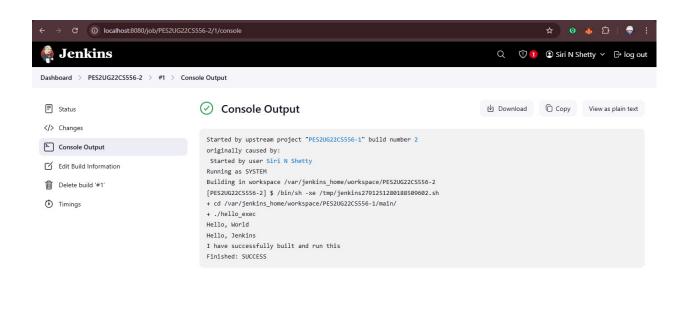
Task-2: Set up a job in Jenkins to connect to your repository, build C++ hello.cpp.



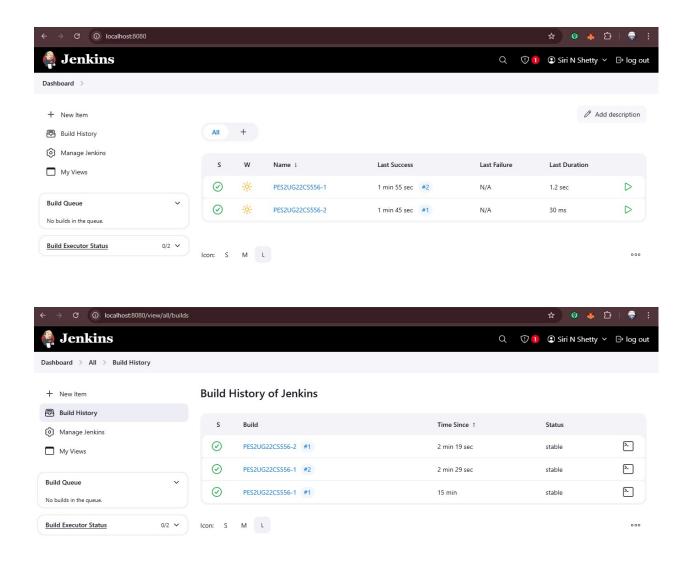


Task-3

Aim: Set up a second job that automatically runs after the project builds. This is different from the other job because this will not have a git repository - it doesn't even build anything.

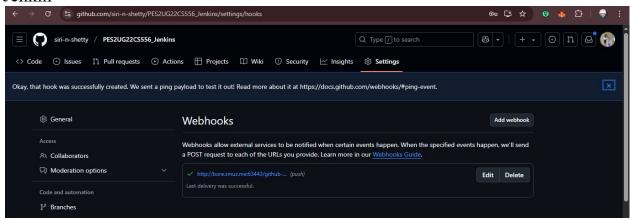


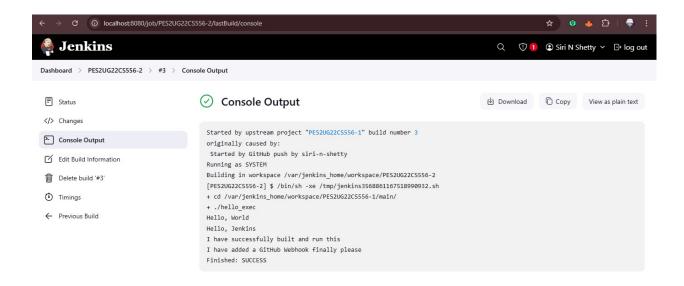
REST API Jenkins 2.492.2

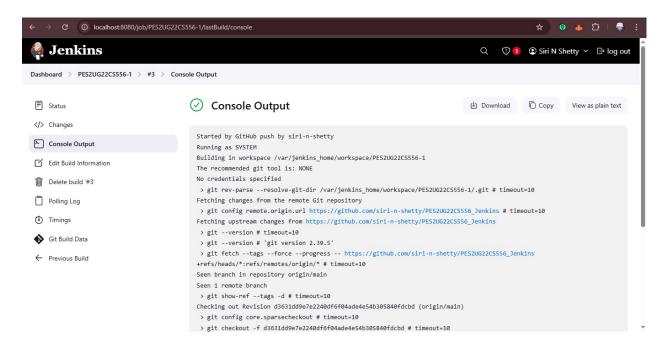


Task-4:

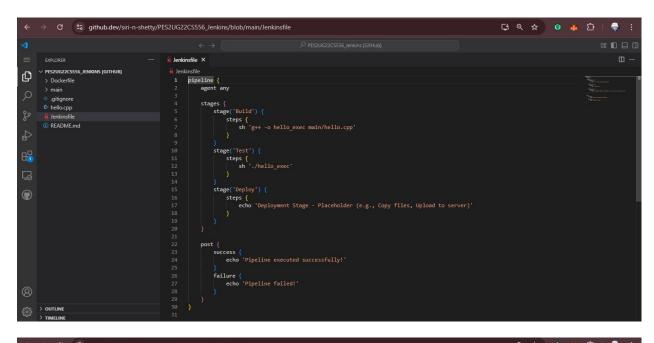
Aim: Add a webhook trigger to your repository in order to automate builds in Jenkin

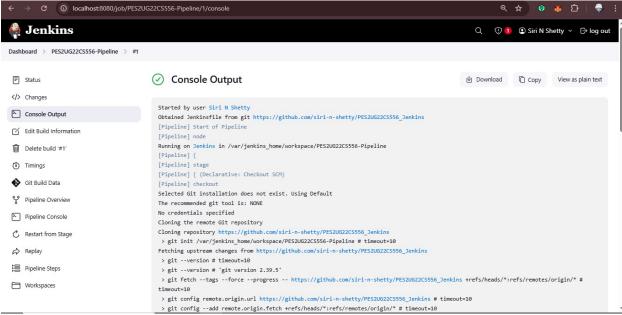


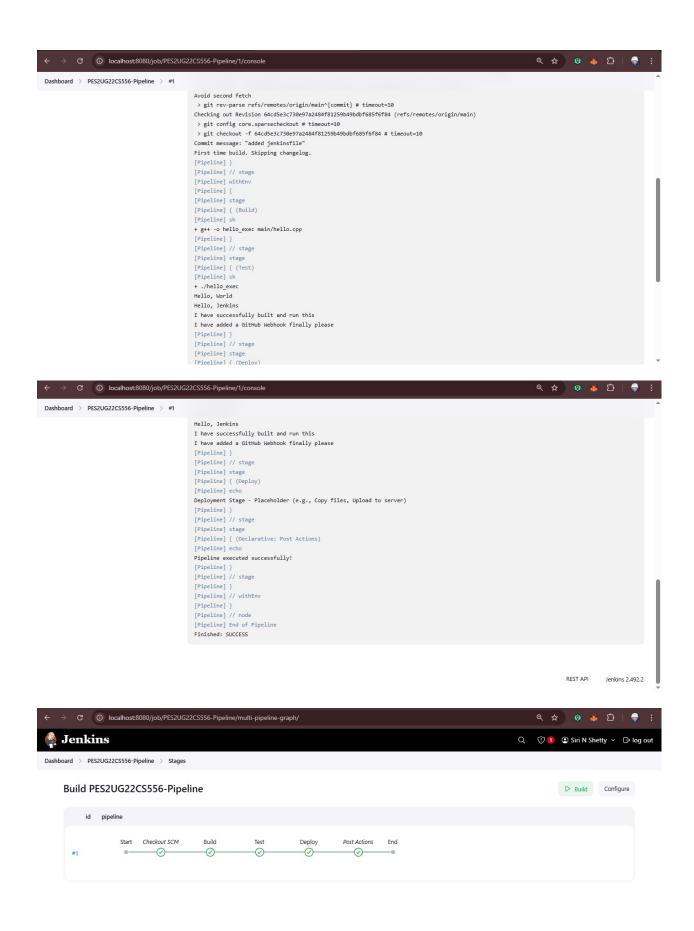




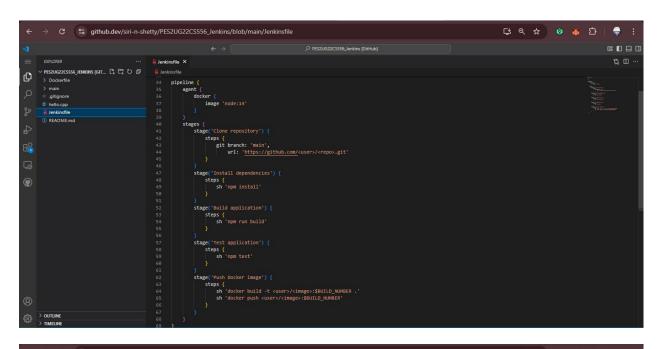
Task-5: To create a basic Jenkins pipeline.

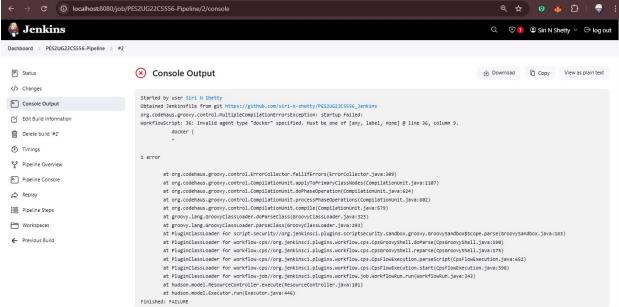


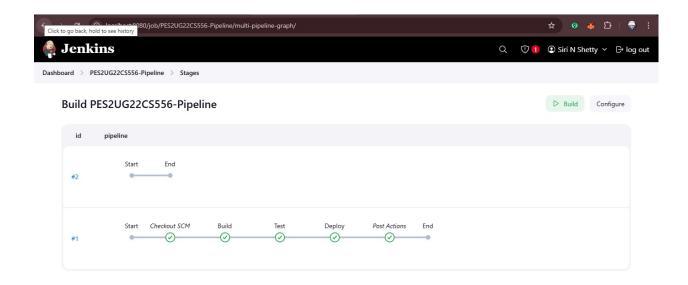




Task-5: To create an incorrect Jenkins pipeline.







Link to the GitHub Repository:

https://github.com/siri-n-shetty/PES2UG22CS556_Jenkins