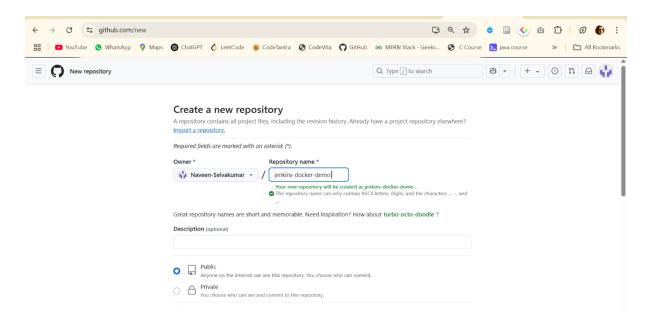
## **DEVOPS TRAINING**

#### **DAY 2-MOULEESHWARAN-S**

Step 1: create repository in github

Go to GitHub and create a new repository.

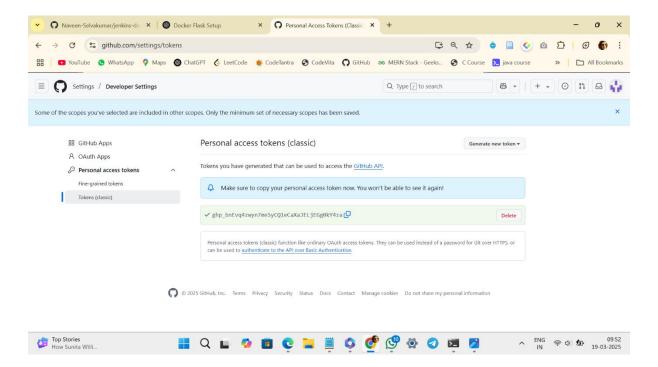


#### Step 2: go to developer settings

- Navigate to Settings > Developer Settings > Personal Access Tokens
- Click Generate New Token (Classic)
- Copy and store the token securely

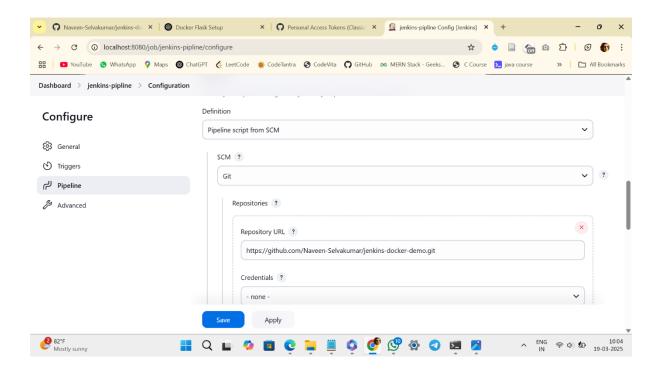
### Step 3: generate and copy the token (classic)

- Open Jenkins
- Click New Item > Pipeline
- In Configuration, add the GitHub repository URL
- Save the configuration

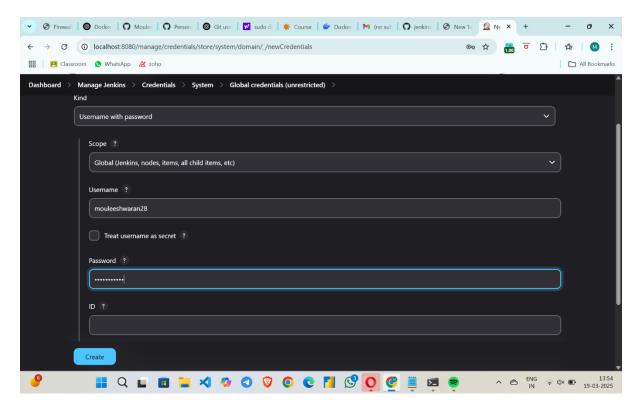


Step 4: open Jenkins and create new item and select pipeline in that go to configuration add github repository url into it.

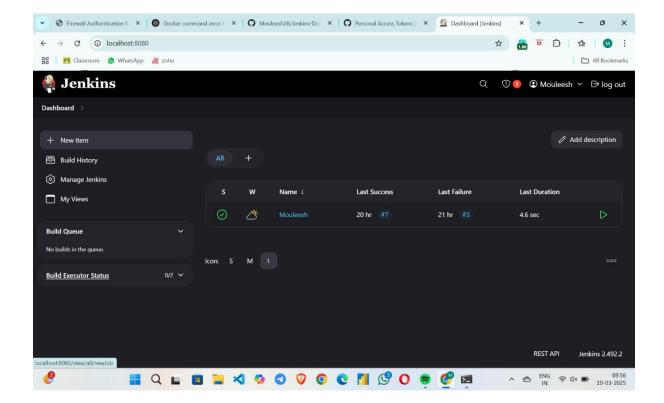
Check the **Jenkins Status Page** to confirm that the setup is successful



## Step 5: in Jenkins configure save it



Step 6: verify the status page



### Step 7: clone the git repository

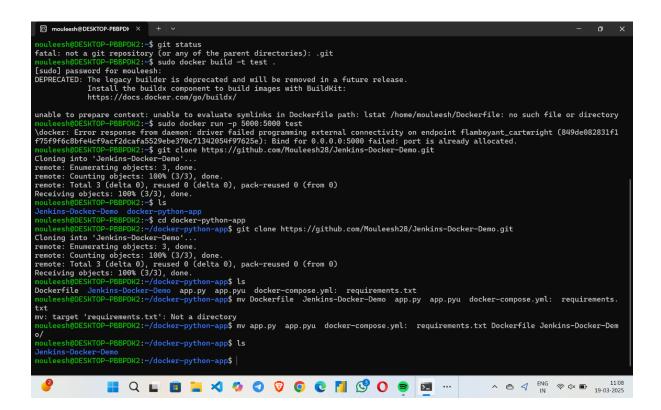
git clone <a href="https://github.com/your-username/your-repository.git">https://github.com/your-username/your-repository.git</a>

cd your-repository

```
| Navem@LAPTOP-MRSRNMIC: //docker-python-app$ sudo systemctl enable jenkins
| Synchronizing state of jenkins.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
| Executing: /usr/lib/systemd/systemd-sysv-install enable jenkins
| navem@LaPTOP-MRSRNMIC:-/docker-python-app$ sudo systemctl statt jenkins
| navem@LaPTOP-MRSRNMIC:-/docker-python-app$ sudo systemctl status jenkins
| navem@LaPTOP-MRSRNMIC:-/docker-python-app$ sudo systemctl status jenkins
| navem@LaPTOP-MRSRNMIC:-/docker-python-app$ sudo systemctl status jenkins
| jenkins.service - Jenkins Continuous Integration Server |
| Loaded loaded (/usr/lib/system/system/jenkins.service; enabled; preset: enabled) |
| Active: active (running) since Wed 2025-03-19 03:33:44 UTC; Slmin ago |
| Main PID: 166 [janx] |
|
```

Step 8: using cd add the repository into it git add .

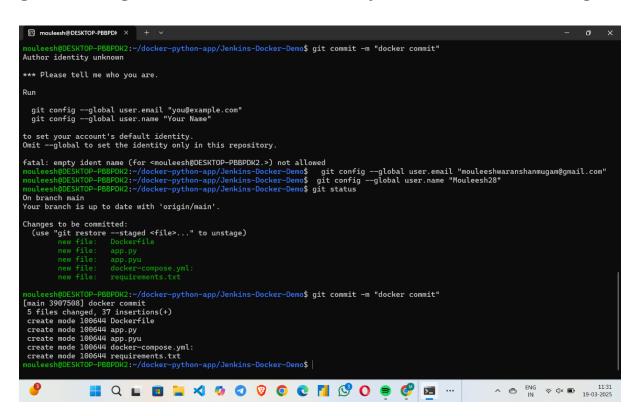
git commit -m "Initial commit" git push origin main



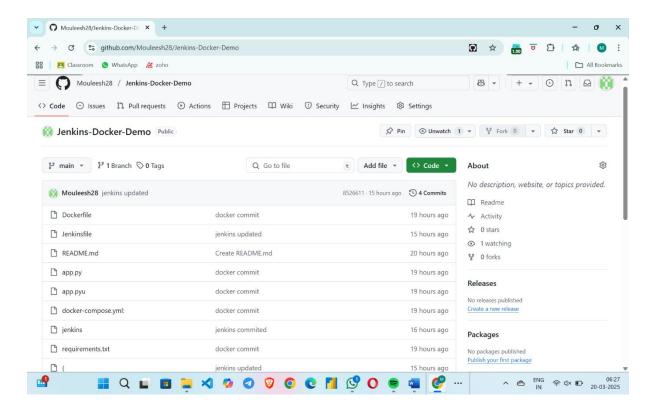
Step 9: using git push command to push all the files into github

git push

https://Mouleesh28:ghp\_bnEvq4zwyn7meSyCQ1eCaXaJELjEGg0kY4za@github.com/Mouleesh28/jenkins-docker-demo.git

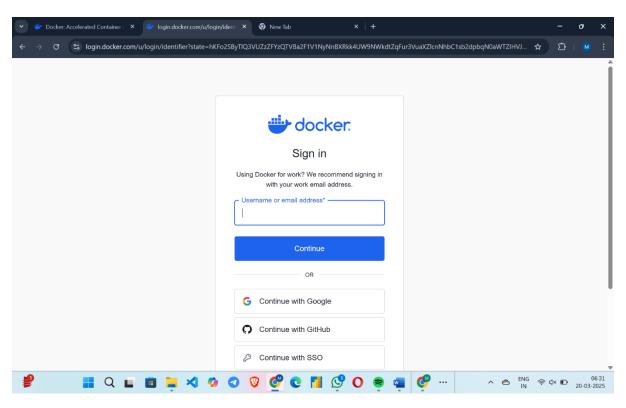


# Step 10: check the docker all the files are uploaded in the github repository



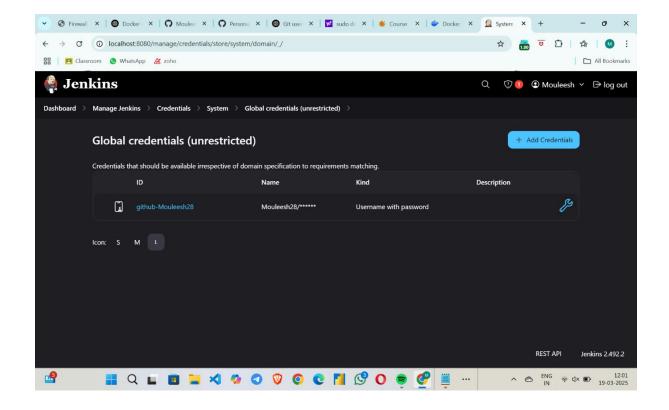
Step 11: go to the docker and login in docker login

Enter your **Docker Hub username** and **password/token** when prompted

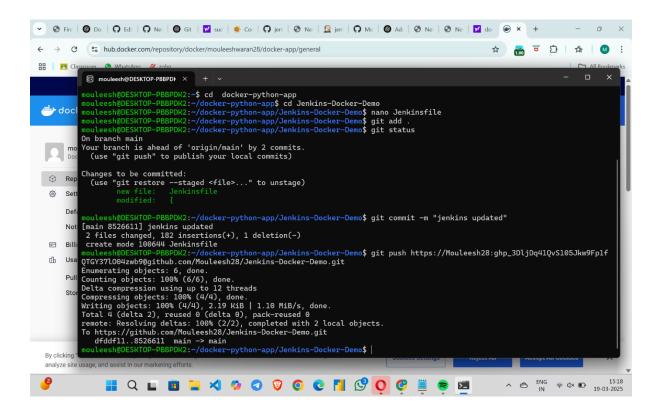


Step 12: in jenkins copy the global credentials and change in the jenkins file

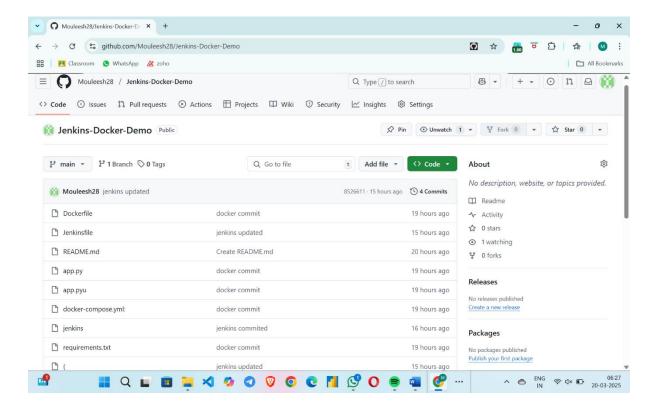
sudo usermod -aG docker jenkins sudo systemctl restart jenkins



Step 13: commit the jenkinsfile into github



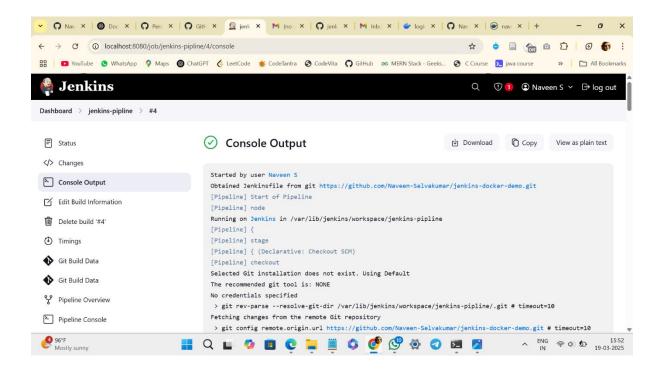
Step 14: verify the jenkins file is pushed in the github



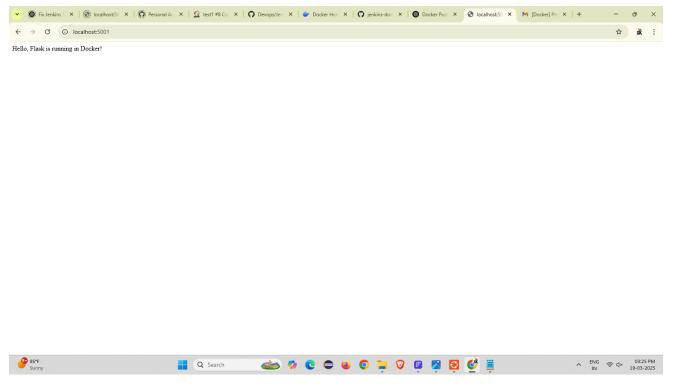
Step 15: using "sudo usermod –aG docker jenkins" and restart the jenkins

## Step 16: build the item and check the output in console output

- In Jenkins, click Build Now
- Monitor the Console Output



## Step 17: run the localhost:5001



## Step 18: check the image repository in docker

