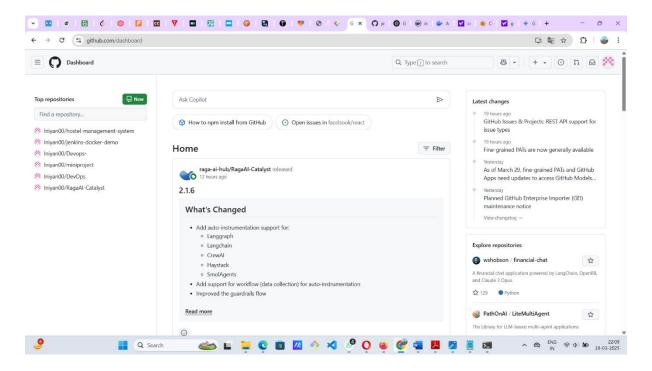
Name: B Iniyan [24MCR035]

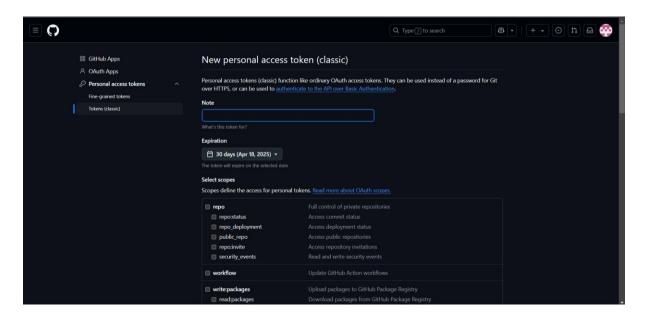
Class: I - MCA - 'A'

DAY 2: **DEVOPS TRAINING**

Step 1: create repository in github

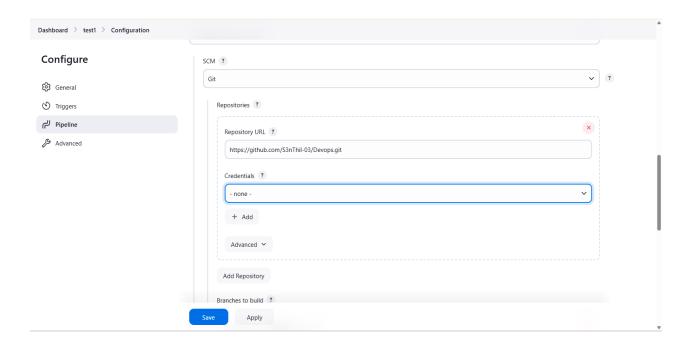


Step 2: go to developer settings

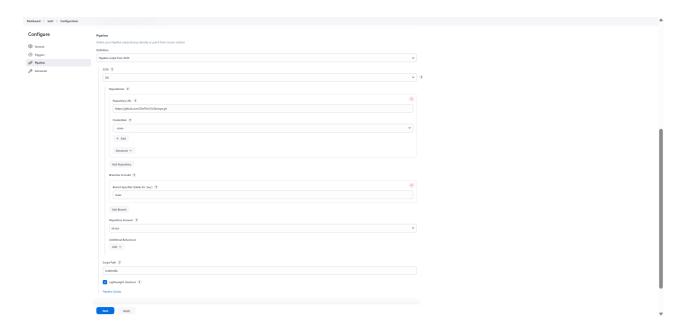


Step 3: generate and copy the token (classic)

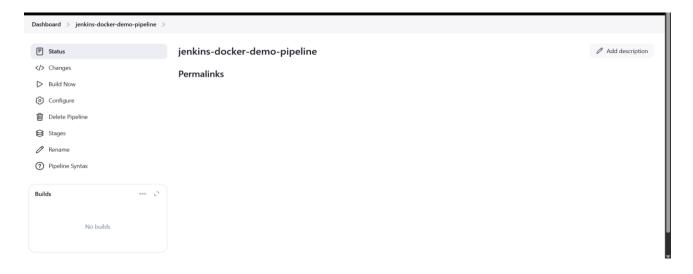
Step 4: open Jenkins and create new item and select pipeline in that go to configuration add github repository url into it



Step 5: in Jenkins configure save it



Step 6: verify the status page



Step 7: clone the git repository

```
- 0 X
 app.py docker-compose.yml dockerfile requirements.txt
           t@CTS-6:~/docker-python-app$ cat docker-compose.yml
 version: '3.8'
 services:
   web:
      build: .
     ports:
- "5000:5000"
       volumes:
     restart: always
   tudent@CTS-6:~/docker-python-app$ sudo systemctl enable jenkins
[sudo] password for student:

[sudo] password for student:

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

student@CTS-6:~/docker-python-app$ sudo systemctl start jenkins

student@CTS-6:~/docker-python-app$ cat dockerfile
 FROM python:3.11
 WORKDIR /app
 COPY requirements.txt .
 RUN pip install --no-cache-dir flask
COPY . .
EXPOSE 5000
EXPOSE 5000

CMD ["python", "app.py"]

student@CTS-6:~/docker-python-app$ 1s

app.py docker-compose.yml dockerfile requirements.txt

student@CTS-6:~/docker-python-app$ git clone https://github.com/S3nThil-03/Devops.git_
```

Step 8: using cd add the repository into it

```
- ../app
restart: always
student@CTS-6:-/docker-python-app$ sudo systemctl enable jenkins
[sudo] password for student:
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
student@CTS-6:-/docker-python-app$ sudo systemctl start jenkins
student@CTS-6:-/docker-python-app$ sudo systemctl start jenkins
student@CTS-6:-/docker-python-app$ at dockerfile
FROM python:3.11
MORKDIR /app
COPY requirements.txt .
RUN pip install --no-cache-dir flask
COPY .
EXPOSS 5000
CND ['python', "app.py"]
student@CTS-6:-/docker-python-app$ ls
app.py docker-compose.yml dockerfile requirements.txt
student@CTS-6:-/docker-python-app$ git clone https://github.com/S3nThil-03/Devops.git
Cloning into 'Devops'...
remote: Counting objects: 100% (14/14), done.
remote: Counting objects: 100% (14/14), done.
remote: Total 14 (delta 5), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (14/14), 4.8 Mib | 4.13 Mib/s, done.
Resolving deltas: 100% (14/14), day Mib/s | 4.13 Mib/s, done.
Resolving deltas: 100% (14/14), day Mib/s | 4.13 Mib/s, done.
Resolving deltas: 100% (5/5), done.
student@CTS-6:-/docker-python-app$ ls
Devops
student@CTS-6:-/docker-python-app$ ls
Devops
student@CTS-6:-/docker-python-app$ docker-compose.yml dockerfile requirements.txt
student@CTS-6:-/docker-python-app y docker-compose.yml dockerfile requirements.txt
student@CTS-6:-/docker-python-app/Devops$ ls
'Day 1' READNE md app.py docker-compose.yml dockerfile requirements.txt
```

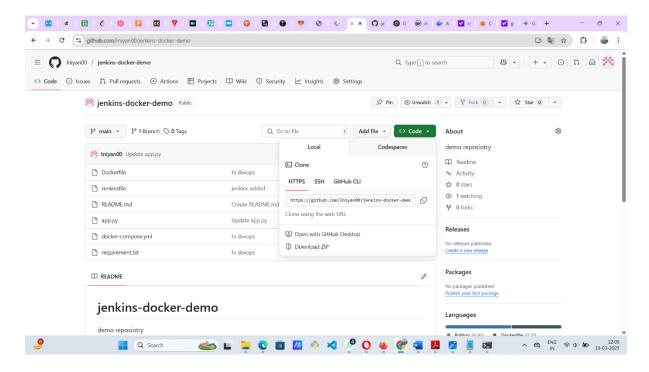
Step 9: using git push command to push all the files into github

```
to set your account's default identity.

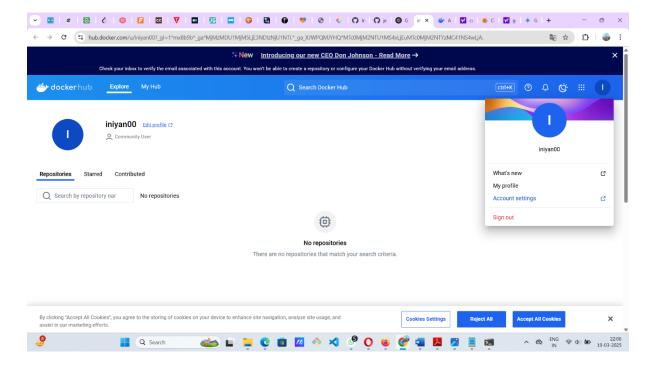
Onit --global to set the identity only in this repository.

fatal: empty ident name (for <student@CTS-6.>) not allowed 
student@CTS-6:-/docker-python-app/Devops$ git config --global user.email senthil73587@gmail.com 
student@CTS-6:-/docker-python-app/Devops$ git config --global user.email senthil73587@gmail.com 
student@CTS-6:-/docker-python-app/Devops$ git config --global user.email "senthil73587@gmail.com" 
student@CTS-6:-/docker-python-app/Devops$ git config --global user.email "senthil73587@gmail.com" 
student@CTS-6:-/docker-python-app/Devops$ git config --global user.email "senthil73587@gmail.com" 
student@CTS-6:-/docker-python-app/Devops$ git comfig --global user.email "sinhil-03" 
student@CTS-6:-/docker-python-app/Devops$ git commit -- "Initial commit" 
4 files changed, 27 insertions(s) 
create mode 100644 docker-compose.yml 
create mode 100644 docker-compose.yml 
create mode 100644 docker-compose.yml 
create mode 100644 docker-python-app/Devops$ git push https://SanThil-03:ghp_wq5pSwMIvBOEIaCHpFcpMADWOHIqa93kOg8a@github.com/SanThil-03/Devops.git 
Enumerating objects: 100% (3/7), done. 
Delta compression using up to 16 threads 
Compression using up to
```

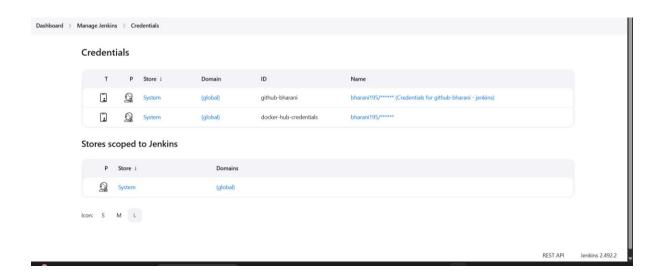
Step 10: check the docker all the files are uploaded in the github repository



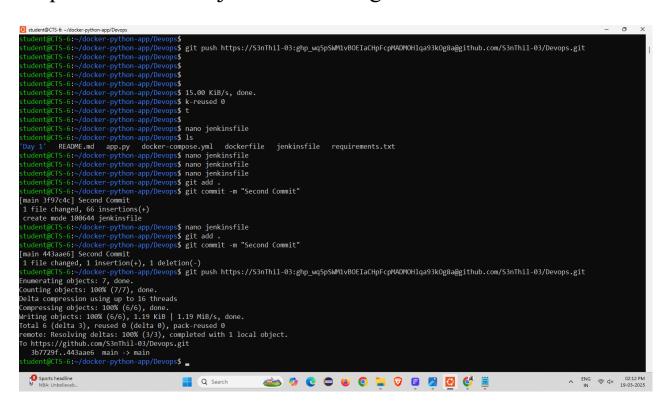
Step 11: go to the docker and login in



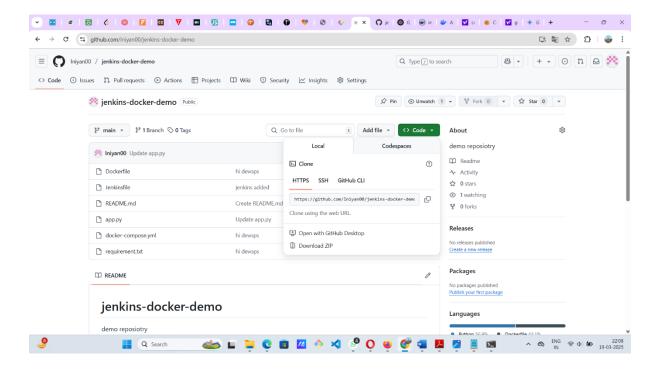
Step 12: in jenkins copy the global credentials and change in the jenkins file



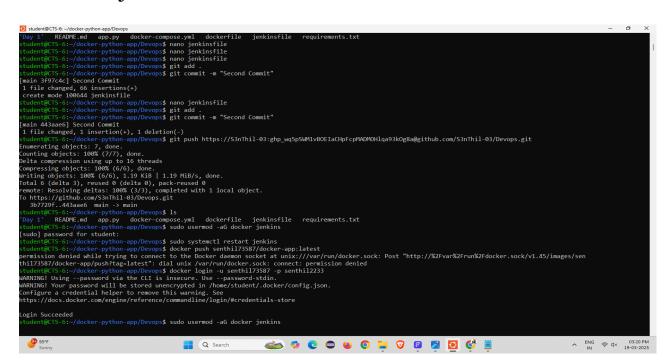
Step 13: commit the jenkinsfile into github



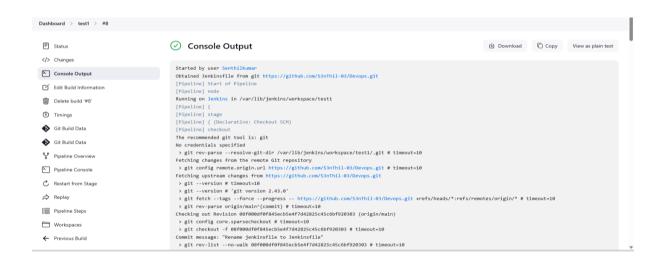
Step 14: verify the jenkins file is pushed in the github



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



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



Step 17: run the localhost:5001



Step 18: check the image repository in docker