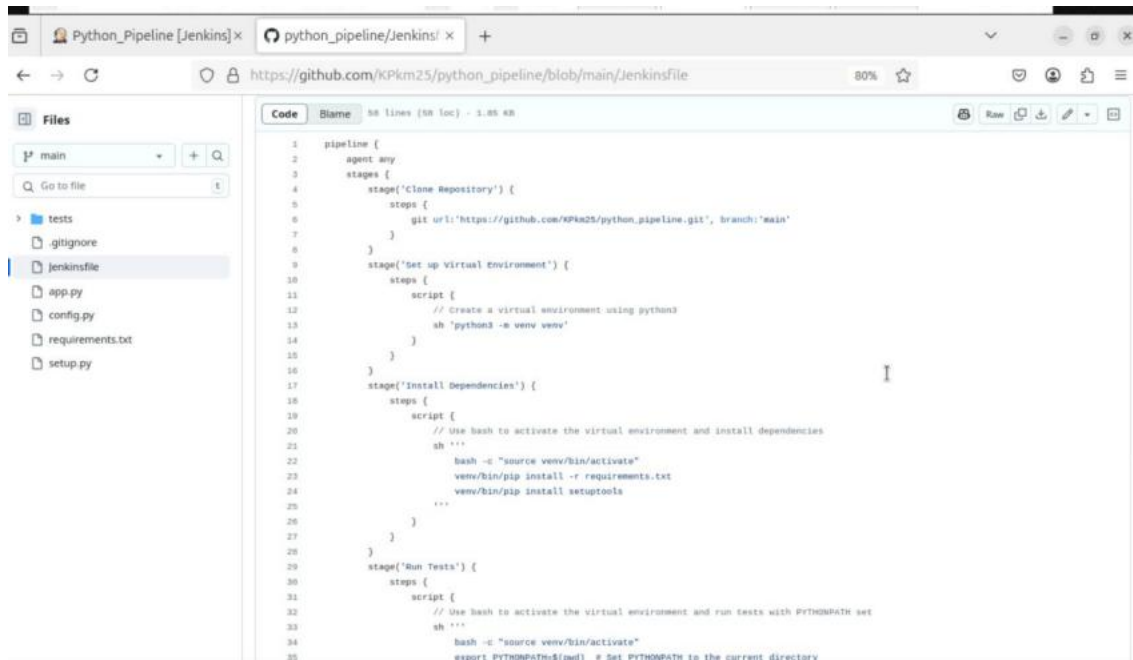


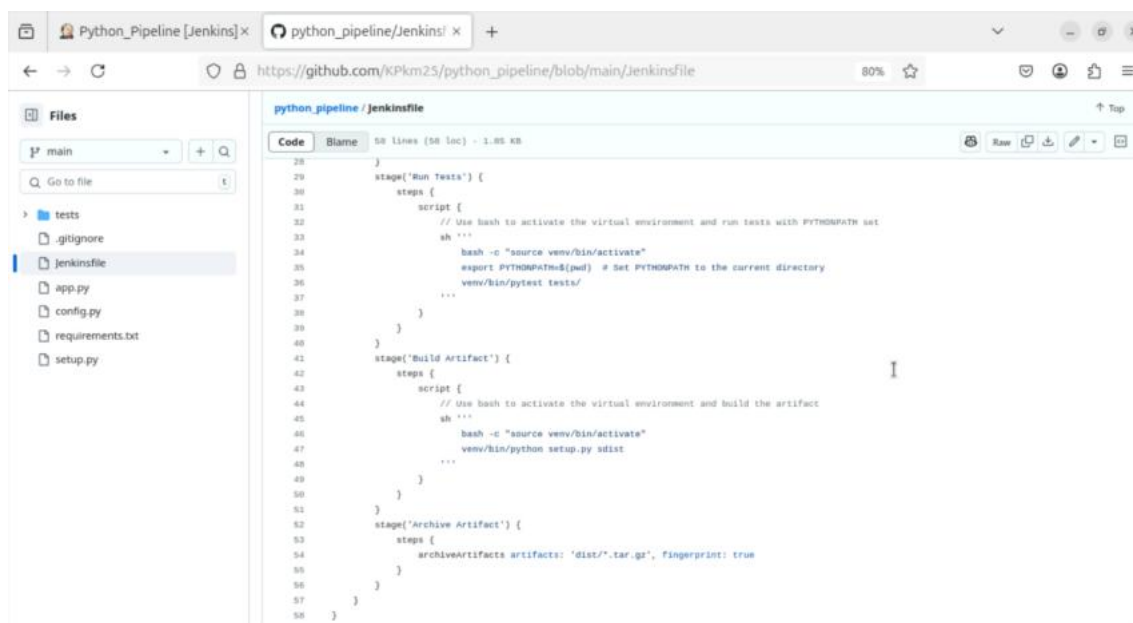
KARANAM YESWANTH TEJA – 289224

JENKINS ASSIGNMENT – 2



The screenshot shows a web browser displaying the Jenkinsfile for the 'python_pipeline' repository. The file is 58 lines long and 1.85 KB. The pipeline is defined as follows:

```
1 pipeline {
2   agent any
3   stages {
4     stage('Clone Repository') {
5       steps {
6         git url: 'https://github.com/KPkm25/python_pipeline.git', branch: 'main'
7       }
8     }
9     stage('Set up Virtual Environment') {
10      steps {
11        script {
12          // Create a virtual environment using python3
13          sh 'python3 -m venv venv'
14        }
15      }
16    }
17    stage('Install Dependencies') {
18      steps {
19        script {
20          // Use bash to activate the virtual environment and install dependencies
21          sh '''
22            bash -c "source venv/bin/activate"
23            venv/bin/pip install -r requirements.txt
24            venv/bin/pip install setuptools
25          '''
26        }
27      }
28    }
29    stage('Run Tests') {
30      steps {
31        script {
32          // Use bash to activate the virtual environment and run tests with PYTHONPATH set
33          sh '''
34            bash -c "source venv/bin/activate"
35            export PYTHONPATH=$(pwd) # Set PYTHONPATH to the current directory
36          '''
37        }
38      }
39    }
40  }
41 }
```



The screenshot shows the continuation of the Jenkinsfile. The pipeline continues with the following stages:

```
42 stage('Build Artifact') {
43   steps {
44     script {
45       // Use bash to activate the virtual environment and build the artifact
46       sh '''
47         bash -c "source venv/bin/activate"
48         venv/bin/python setup.py sdist
49       '''
50     }
51   }
52   stage('Archive Artifact') {
53     steps {
54       archiveArtifacts artifacts: 'dist/*.tar.gz', fingerprint: true
55     }
56   }
57 }
```

Dashboard > Python_Pipeline >

Status

Changes

Build Now

Configure

Delete Pipeline

Full Stage View

Favorite

Open Blue Ocean

Stages

Rename

Pipeline Syntax

Python_Pipeline

Last Successful Artifacts

flask_app-0.1.0.tar.gz

1.39 KiB

view

Add description

Stage View

Average stage times:
(full run time: ~21s)

	Declarative: Checkout SCM	Clone Repository	Set up Virtual Environment	Install Dependencies	Run Tests	Build Artifact
<div><div>55s</div><div>Feb 20 12:10</div><div>1 commit</div><div></div></div>	1s	1s	4s	3s	1s	260ms
<div><div>51s</div><div>Feb 20</div><div>1</div><div></div></div>	1s	1s	6s	3s	2s	524ms