

Task 1

```
33 cd project1
34 git status
35 git branch
36 git checkout staging
37 git branch staging
38 git branches
39 git branch
40 git checkout staging
41 ls
42 cat>file3
43 git add.
44 git add .
45 git commit -m "123"
```

```
45 git commit -m "123"
46 git status
47 git push origin staging
48 git push origin --delete staging-branch
49 history
```

kishorpv25 / **project1** Public

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staging 2 Branches 0 Tags [Code](#)

This branch is 1 commit ahead of master.

kishor 123		1af5532 · 2 days ago	3 Commits
file1	first commit	2 days ago	
file2	2nd commit	2 days ago	
file3	123	2 days ago	

Task 2

-Pipeline script

```
pipeline {
  agent any

  stages {
    stage ("Code") {
      steps {
        echo "Cloning the Code"

        git url:"https://github.com/adhya2020/django-notes-app.git" , branch: "main"
      }
    }

    stage ("Build"){
      steps {
        echo "Build the image"

        sh "docker build -t my-note-app ."
      }
    }

    stage ("Pushing the image to Dockerhub"){
      steps {
        echo "pushing image to docker hub"

        withCredentials([usernamePassword(credentialsId:"dockerHub",passwordVariable:"dockerHubPass",usernameVariable:"dockerHubUser")]) {
          sh "docker tag my-note-app ${env.dockerHubUser}/my-note-app:latest"
```

```
    sh "docker login -u ${env.dockerHubUser} -p ${env.dockerHubPass}"

    sh "docker push ${env.dockerHubUser}/my-note-app:latest"

  }

}

stage("Deploy"){

  steps {

    echo "Deploying the container"

    sh "docker run -d -p 8000:8000 kishorpv25/my-note-app:latest"

  }

}

}
```

Started by user [kishor.pv](#)

[Pipeline] Start of Pipeline

[Pipeline] node

Running on [Jenkins](#) in /var/lib/jenkins/workspace/project69

[Pipeline] {

[Pipeline] stage

[Pipeline] { (Code)

[Pipeline] echo

Cloning the Code

[Pipeline] git

The recommended git tool is: NONE

No credentials specified

Cloning the remote Git repository

Cloning repository <https://github.com/adhya2020/django-notes-app.git>

```
> git init /var/lib/jenkins/workspace/project69 # timeout=10
```

Fetching upstream changes from <https://github.com/adhya2020/django-notes-app.git>

```
> git --version # timeout=10
```

```
> git --version # 'git version 2.43.0'
```

```
> git fetch --tags --force --progress -- https://github.com/adhya2020/django-notes-app.git
+refs/heads/*:refs/remotes/origin/* # timeout=10
```

```
> git config remote.origin.url https://github.com/adhya2020/django-notes-app.git #
timeout=10
```

```
> git config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
```

Avoid second fetch

```
> git rev-parse refs/remotes/origin/main^{commit} # timeout=10
```

Checking out Revision 79a271958caa4243f4df714153eed5323393bace
(refs/remotes/origin/main)

```
> git config core.sparsecheckout # timeout=10
```

```
> git checkout -f 79a271958caa4243f4df714153eed5323393bace # timeout=10
```

```
> git branch -a -v --no-abbrev # timeout=10
```

```
> git checkout -b main 79a271958caa4243f4df714153eed5323393bace # timeout=10
```

Commit message: "Update index.html"

First time build. Skipping changelog.

[Pipeline] }

[Pipeline] // stage

[Pipeline] stage

[Pipeline] { (Build)

[Pipeline] echo

Build the image

[Pipeline] sh

+ docker build -t my-note-app .

DEPRECATED: The legacy builder is deprecated and will be removed in a future release.

Install the buildx component to build images with BuildKit:

<https://docs.docker.com/go/buildx/>

Sending build context to Docker daemon 8.396MB

Step 1/7 : FROM python:3.9

3.9: Pulling from library/python

7d98d813d54f: Pulling fs layer

da802df85c96: Pulling fs layer

7aadc5092c3b: Pulling fs layer

ad1c7cfc347f: Pulling fs layer

4eb48115a042: Pulling fs layer

ccecc6c1c4bf: Pulling fs layer

63dc518f902b: Pulling fs layer

ad1c7cfc347f: Waiting

4eb48115a042: Waiting

ccecc6c1c4bf: Waiting

63dc518f902b: Waiting

da802df85c96: Verifying Checksum

da802df85c96: Download complete

7d98d813d54f: Verifying Checksum

7d98d813d54f: Download complete

7aadc5092c3b: Verifying Checksum

7aadc5092c3b: Download complete

4eb48115a042: Verifying Checksum

4eb48115a042: Download complete

ccecc6c1c4bf: Verifying Checksum

ccecc6c1c4bf: Download complete

63dc518f902b: Verifying Checksum

63dc518f902b: Download complete

ad1c7cfc347f: Verifying Checksum

ad1c7cfc347f: Download complete

7d98d813d54f: Pull complete

da802df85c96: Pull complete

7aadc5092c3b: Pull complete

ad1c7cfc347f: Pull complete

4eb48115a042: Pull complete

ccecc6c1c4bf: Pull complete

63dc518f902b: Pull complete

Digest:

sha256:ed8b9dd4e9f89c111f4bdb85a55f8c9f0e22796a298449380b15f627d9914095

Status: Downloaded newer image for python:3.9

---> 24e94023d809

Step 2/7 : WORKDIR /app/backend

---> Running in e00638206e39

Removing intermediate container e00638206e39

---> ad0da5688bb3

Step 3/7 : COPY requirements.txt /app/backend

---> 15c81df5b1f7

Step 4/7 : RUN pip install -r requirements.txt

---> Running in e56bb9ab53b5

Collecting asgiref==3.6.0

Downloading asgiref-3.6.0-py3-none-any.whl (23 kB)

Collecting Django==4.1.5

Downloading Django-4.1.5-py3-none-any.whl (8.1 MB)

8.1/8.1 MB 54.0 MB/s eta

0:00:00

Collecting django-cors-headers==3.13.0

Downloading django_cors_headers-3.13.0-py3-none-any.whl (13 kB)

Collecting djangorestframework==3.14.0

Downloading djangorestframework-3.14.0-py3-none-any.whl (1.1 MB)

1.1/1.1 MB 82.6 MB/s eta

0:00:00

Collecting gunicorn==20.1.0

Downloading gunicorn-20.1.0-py3-none-any.whl (79 kB)

79.5/79.5 kB 17.3 MB/s eta

0:00:00

Collecting pytz==2022.7.1

Downloading pytz-2022.7.1-py2.py3-none-any.whl (499 kB)

499.4/499.4 kB 70.4 MB/s eta

0:00:00

Collecting sqlparse==0.4.3

Downloading sqlparse-0.4.3-py3-none-any.whl (42 kB)

42.8/42.8 kB 10.2 MB/s eta
0:00:00

Collecting tzdata==2022.7

Downloading tzdata-2022.7-py2.py3-none-any.whl (340 kB)

340.1/340.1 kB 46.1 MB/s eta
0:00:00

Collecting whitenoise==6.3.0

Downloading whitenoise-6.3.0-py3-none-any.whl (19 kB)

Requirement already satisfied: setuptools>=3.0 in /usr/local/lib/python3.9/site-packages
(from gunicorn==20.1.0->-r requirements.txt (line 5)) (58.1.0)

Installing collected packages: pytz, whitenoise, tzdata, sqlparse, gunicorn, asgiref, Django,
djangoestframework, django-cors-headers

Successfully installed Django-4.1.5 asgiref-3.6.0 django-cors-headers-3.13.0
djangoestframework-3.14.0 gunicorn-20.1.0 pytz-2022.7.1 sqlparse-0.4.3 tzdata-2022.7
whitenoise-6.3.0

[91mWARNING: Running pip as the 'root' user can result in broken permissions and
conflicting behaviour with the system package manager. It is recommended to use a virtual
environment instead: <https://pip.pypa.io/warnings/venv>

[0m[91m

[notice] A new release of pip is available: 23.0.1 -> 24.2

[notice] To update, run: pip install --upgrade pip

[0mRemoving intermediate container e56bb9ab53b5

---> 974787a936f4

Step 5/7 : COPY ./app/backend

---> 0e260cfe00b8

Step 6/7 : EXPOSE 8000

---> Running in e8950e6c7108

Removing intermediate container e8950e6c7108

---> 0eb1c801de16

Step 7/7 : CMD python /app/backend/manage.py runserver 0.0.0.0:8000

---> Running in 167bfdbc3a48

Removing intermediate container 167bfdbc3a48

---> d011eef81c6d

Successfully built d011eef81c6d

Successfully tagged my-note-app:latest

[Pipeline] }

[Pipeline] // stage

[Pipeline] stage

[Pipeline] { (Pushing the image to Dockerhub)

[Pipeline] echo

pushing image to docker hub

[Pipeline] withCredentials

Masking supported pattern matches of \$dockerHubPass

[Pipeline] {

[Pipeline] sh

+ docker tag my-note-app kishorpv25/my-note-app:latest

[Pipeline] sh

Warning: A secret was passed to "sh" using Groovy String interpolation, which is insecure.

Affected argument(s) used the following variable(s): [dockerHubPass]

See <https://jenkins.io/redirect/groovy-string-interpolation> for details.

+ docker login -u kishorpv25 -p ****

WARNING! Using --password via the CLI is insecure. Use --password-stdin.

WARNING! Your password will be stored unencrypted in
/var/lib/jenkins/.docker/config.json.

Configure a credential helper to remove this warning. See

<https://docs.docker.com/engine/reference/commandline/login/#credentials-store>

Login Succeeded

[Pipeline] sh

+ docker push kishorpv25/my-note-app:latest

The push refers to repository [docker.io/kishorpv25/my-note-app]

8e7837aa202d: Preparing

d2b7d6a9a826: Preparing

bfa256344eb1: Preparing

bd0d59bebbdb: Preparing

18a1e5930724: Preparing

324e6299c847: Preparing

ef4ab4b82327: Preparing

d23b5e6144a7: Preparing

e5ee1bd83fe3: Preparing

43da071b5e0c: Preparing

ef5f5ddeb0a6: Preparing

324e6299c847: Waiting

ef4ab4b82327: Waiting

d23b5e6144a7: Waiting

e5ee1bd83fe3: Waiting

43da071b5e0c: Waiting

ef5f5ddeb0a6: Waiting

18a1e5930724: Mounted from library/python

bfa256344eb1: Pushed

bd0d59bebbdb: Pushed

324e6299c847: Mounted from library/python

8e7837aa202d: Pushed

ef4ab4b82327: Mounted from library/python

d23b5e6144a7: Mounted from library/python

43da071b5e0c: Mounted from library/python

e5ee1bd83fe3: Mounted from library/python

ef5f5ddeb0a6: Mounted from library/python

d2b7d6a9a826: Pushed

latest: digest:

sha256:1ea2589aac4536a1a002d854f58858767b340324aaed279938cddad791e4a4f4

size: 2633

[Pipeline] }

[Pipeline] // withCredentials

[Pipeline] }

[Pipeline] // stage

[Pipeline] stage

[Pipeline] { (Deploy)

[Pipeline] echo

Deploying the container

[Pipeline] sh

+ docker run -d -p 8000:8000 kishorpv25/my-note-app:latest

fee5ba35bbf1ef2e8df256f76b2322fb8205ff604b1fa21caba9cd839b6334ab

[Pipeline] }

[Pipeline] // stage

[Pipeline] }

[Pipeline] // node

[Pipeline] End of Pipeline

Finished: SUCCESS