build.sh

```bash
#!/bin/bash
docker build -t test1 .
```

deploy.sh

```bash
#!/bin/bash
    echo hi123
    sh 'chmod +x build.sh'
    sh './build.sh'
    docker login -u dhamaya2004 -p dckr_pat_-YClUH8lgEpTNN-4tTgigUnjZfE
    docker tag test1 dhamaya2004/new
    docker push dhamaya2004/new
    docker-compose up -d
```

docker-compose.yml

```yaml
version: '3'
services:
  react-capstone:
    image: "test1"
    ports:
      - "85:80"
```

```
pipeline {
    agent any

    stages {
        stage('Build and Push Docker Image') {
            steps {
                // Grant executable permissions to the build script
                sh 'chmod +x deploy.sh'
```

```
        // Build the Docker image using the build script

        sh './deploy.sh'



      }

    }



  }

}
```

Jenkinsfile

```
pipeline {

  agent any



  stages {

    stage('Build and Push Docker Image') {

        steps {

        // Grant executable permissions to the build script

        sh 'chmod +x deploy.sh'

            // Build the Docker image using the build script

        sh './deploy.sh'



      }

    }



  }

}
```

```
Password:
root@Ubuntu:~# mkdir
mkdir: missing operand
Try 'mkdir --help' for more information.
root@Ubuntu:~# mkdir task2
root@Ubuntu:~# cd task2
root@Ubuntu:~/task2# nano Dockerfile
root@Ubuntu:~/task2# nano index.html
root@Ubuntu:~/task2# docker build -t test .
[+] Building 0.7s (7/7) FINISHED
 => [internal] load build definition from Dockerfile                    0.1s
 => => transferring dockerfile: 280B                                    0.0s
 => [internal] load .dockerignore                                       0.1s
 => => transferring context: 2B                                         0.0s
 => [internal] load metadata for docker.io/library/nginx:latest        0.0s
 => [internal] load build context                                       0.1s
 => => transferring context: 144B                                       0.0s
 => CACHED [1/2] FROM docker.io/library/nginx:latest                    0.0s
 => [2/2] COPY index.html /usr/share/nginx/html                         0.1s
 => exporting to image                                                  0.1s
 => => exporting layers                                                 0.1s
 => => writing image sha256:01b6b69614ea5ccab7550d29a256a85f7a41455ed2ce  0.0s
 => => naming to docker.io/library/test                                 0.0s
root@Ubuntu:~/task2# docker images
REPOSITORY            TAG        IMAGE ID       CREATED          SIZE
test                  latest     01b6b69614ea   8 seconds ago    192MB
test1                 latest     62b5264aaa87   2 hours ago      195MB
```