

# TASK:2

i)creating images in docker using Jenkins from git hub repo

index.html

The screenshot shows the GitHub repository page for 'Task-devops' by user 'AsvitaAnand'. The repository is public and has 1 branch (main) and 0 tags. The commit history shows 5 commits. The file list includes: Dockerfile, Jenkinsfile, TASK1.pdf, build.sh, deploy.sh, index.html, index2.html, nginx[1].pdf, and sparkathon\_report.docx. All files were added via upload.

File	Commit	Time
Dockerfile	Add files via upload	yesterday
Jenkinsfile	Add files via upload	yesterday
TASK1.pdf	Add files via upload	3 days ago
build.sh	Add files via upload	yesterday
deploy.sh	Add files via upload	yesterday
index.html	Add files via upload	yesterday
index2.html	Add files via upload	2 days ago
nginx[1].pdf	Add files via upload	3 days ago
sparkathon_report.docx	Add files via upload	2 days ago

## Dockerfile

The screenshot shows the Dockerfile content for the 'Task-devops' repository. The Dockerfile is located at 'Task-devops- / Dockerfile'. The content of the Dockerfile is as follows:

```
1 FROM nginx:latest
2 # Copy the built files from the previous stage
3 COPY build/ /usr/share/nginx/index.html
4 # Expose port 80 (the default HTTP port)
5 EXPOSE 80
6 # Start Nginx and keep it running in the foreground
7 CMD ["nginx", "-g", "daemon off;"]
```

# Jenkinsfile

The screenshot shows the GitHub interface for the repository 'Task-devops' by user 'AsvitaAnand'. The left sidebar displays a file tree with 'Jenkinsfile' selected. The main content area shows the Jenkinsfile code, which is a pipeline script. The code is as follows:

```
1 pipeline {
2   agent any
3
4   stages {
5     stage('Build and Push Docker Image') {
6       steps {
7         // Grant executable permissions to the build script
8         sh 'chmod +x deploy.sh'
9
10        // Build the Docker image using the build script
11        sh './deploy.sh'
12
13      }
14    }
15  }
16
17 }
18 }
```

The interface also shows a search bar at the top right and a navigation bar with links to Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings.

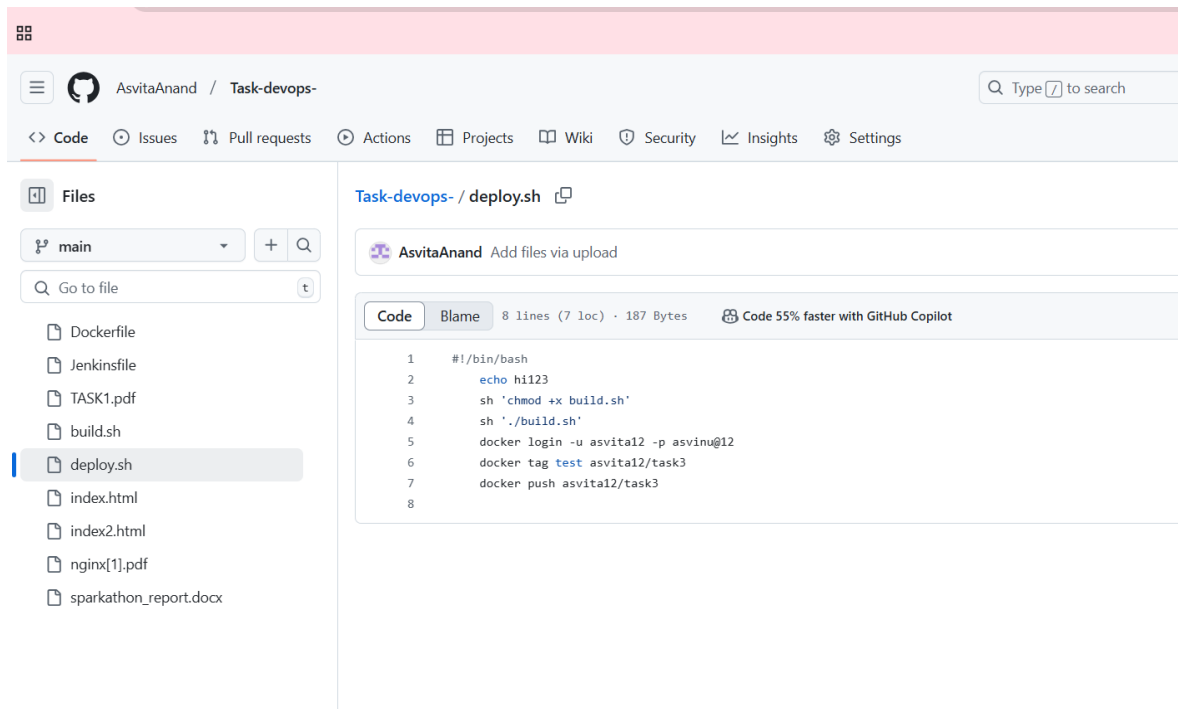
# Build.sh

The screenshot shows the GitHub interface for the repository 'Task-devops' by user 'AsvitaAnand'. The left sidebar displays a file tree with 'build.sh' selected. The main content area shows the build.sh code, which is a shell script. The code is as follows:

```
1 #!/bin/bash
2 docker build -t test .
3 docker run -itd -p 93:80 test
```

The interface also shows a search bar at the top right and a navigation bar with links to Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings.

# Deploy.sh



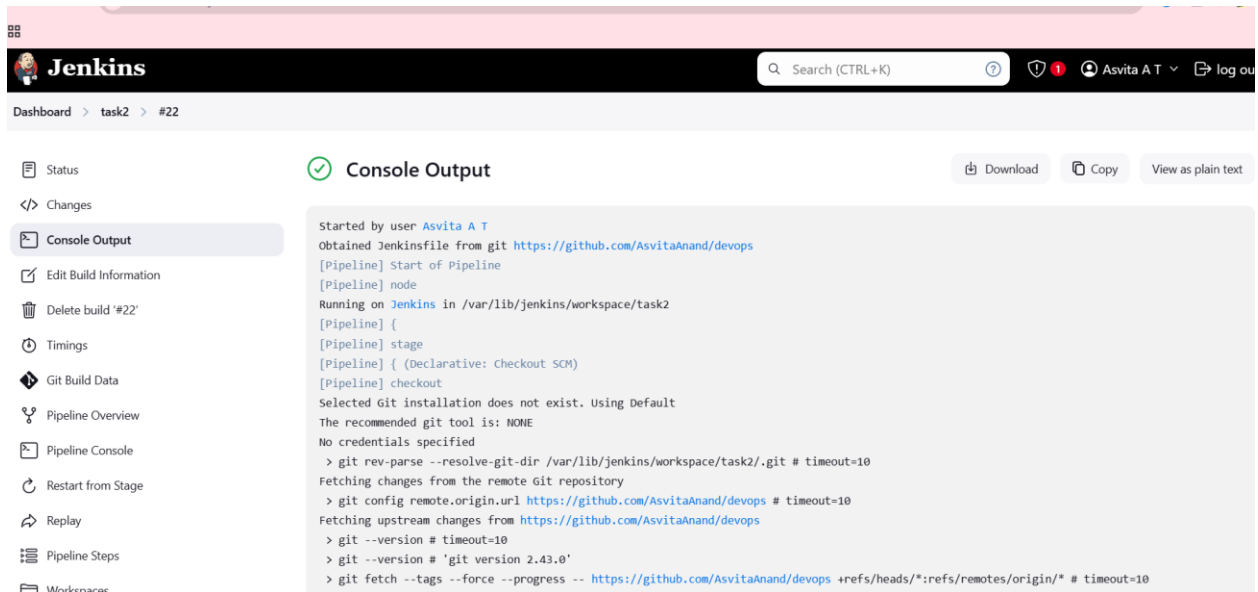
Task-devops- / deploy.sh

AsvitaAnand Add files via upload

Code Blame 8 lines (7 loc) · 187 Bytes Code 55% faster with GitHub Copilot

```
1 #!/bin/bash
2 echo hi123
3 sh 'chmod +x build.sh'
4 sh './build.sh'
5 docker login -u asvita12 -p asvinu@12
6 docker tag test asvita12/task3
7 docker push asvita12/task3
8
```

## OUTPUT IN JENKINS CONSOLE



Jenkins

Dashboard > task2 > #22

Console Output

Started by user Asvita A T

Obtained Jenkinsfile from git <https://github.com/AsvitaAnand/devops>

[Pipeline] Start of Pipeline

[Pipeline] node

Running on Jenkins in /var/lib/jenkins/workspace/task2

[Pipeline] {

[Pipeline] stage

[Pipeline] { (Declarative: Checkout SCM)

[Pipeline] checkout

Selected Git installation does not exist. Using Default

The recommended git tool is: NONE

No credentials specified

> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/task2/.git # timeout=10

Fetching changes from the remote Git repository

> git config remote.origin.url <https://github.com/AsvitaAnand/devops> # timeout=10

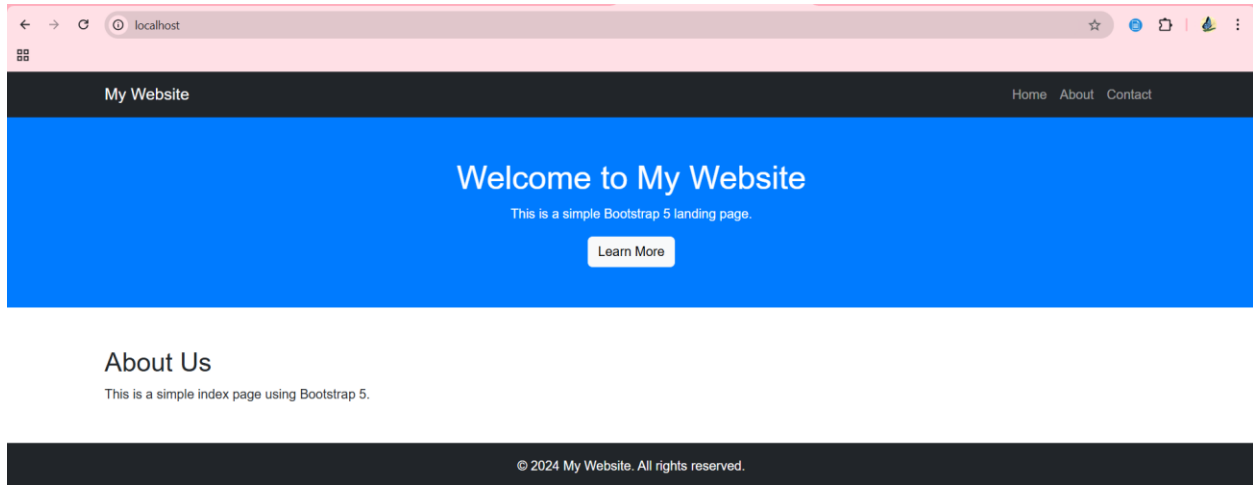
Fetching upstream changes from <https://github.com/AsvitaAnand/devops>

> git --version # timeout=10

> git --version # 'git version 2.43.0'

> git fetch --tags --progress -- <https://github.com/AsvitaAnand/devops> +refs/heads/\*:refs/remotes/origin/\* # timeout=10

# OUTPUT OF INDEX.HTML PAGE



# REPOSITORY ADDED IN DOCKER HUB

