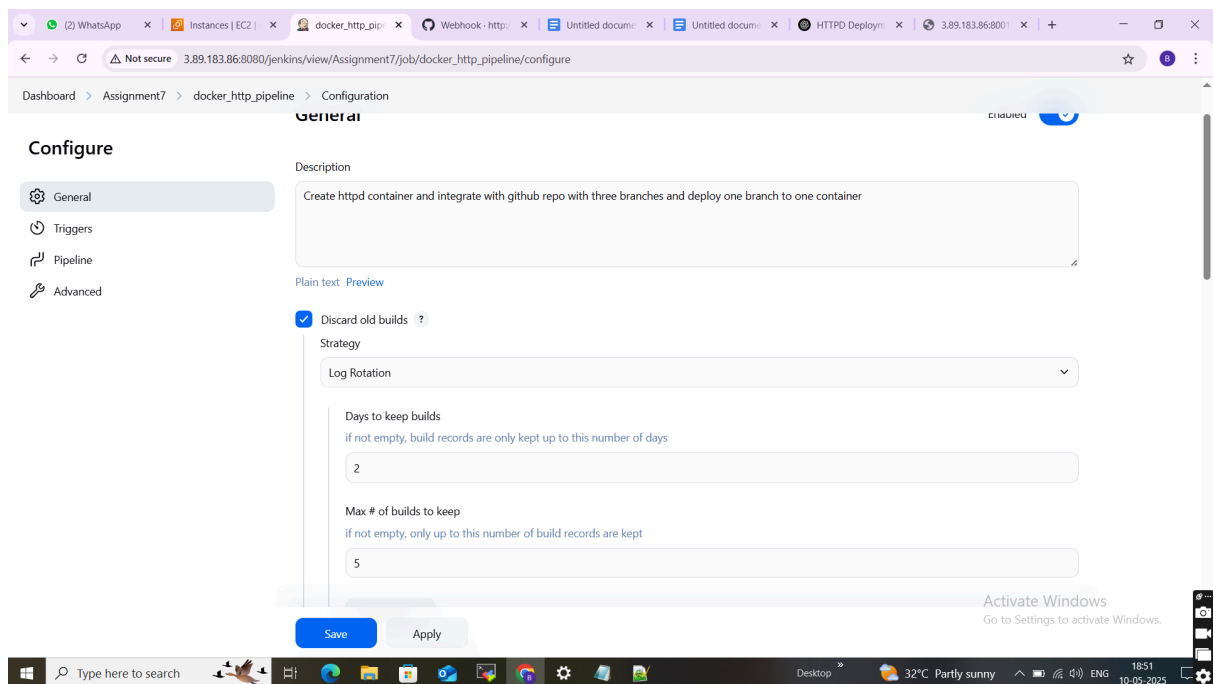
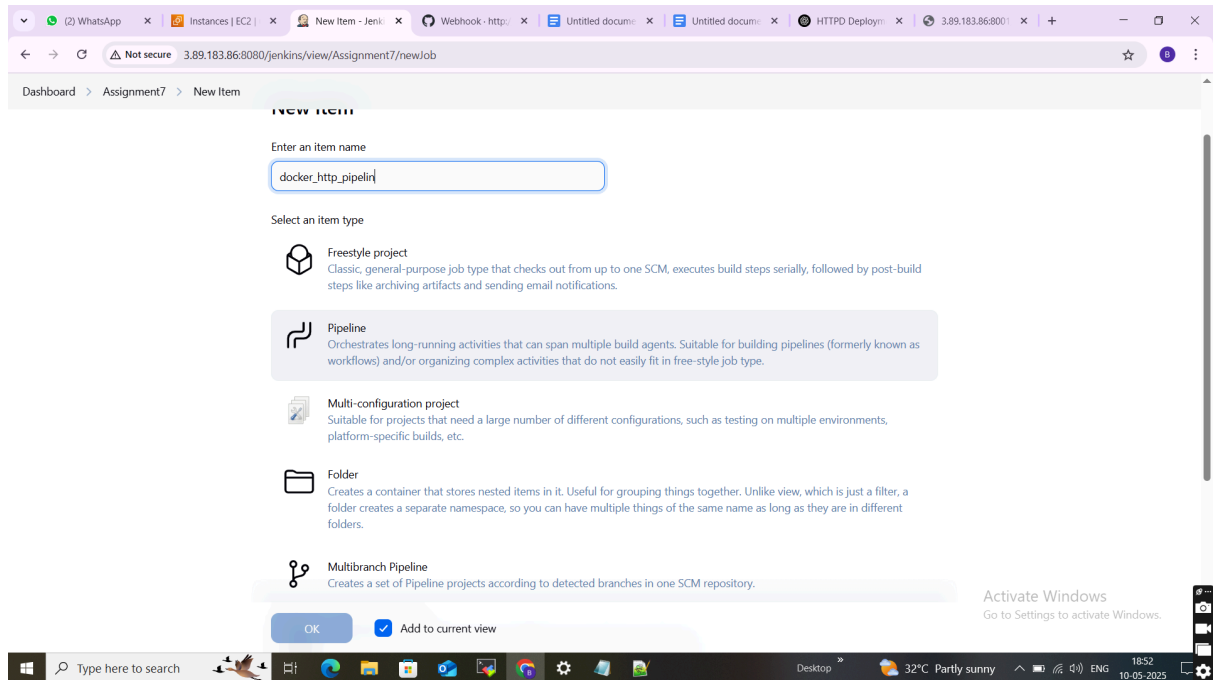
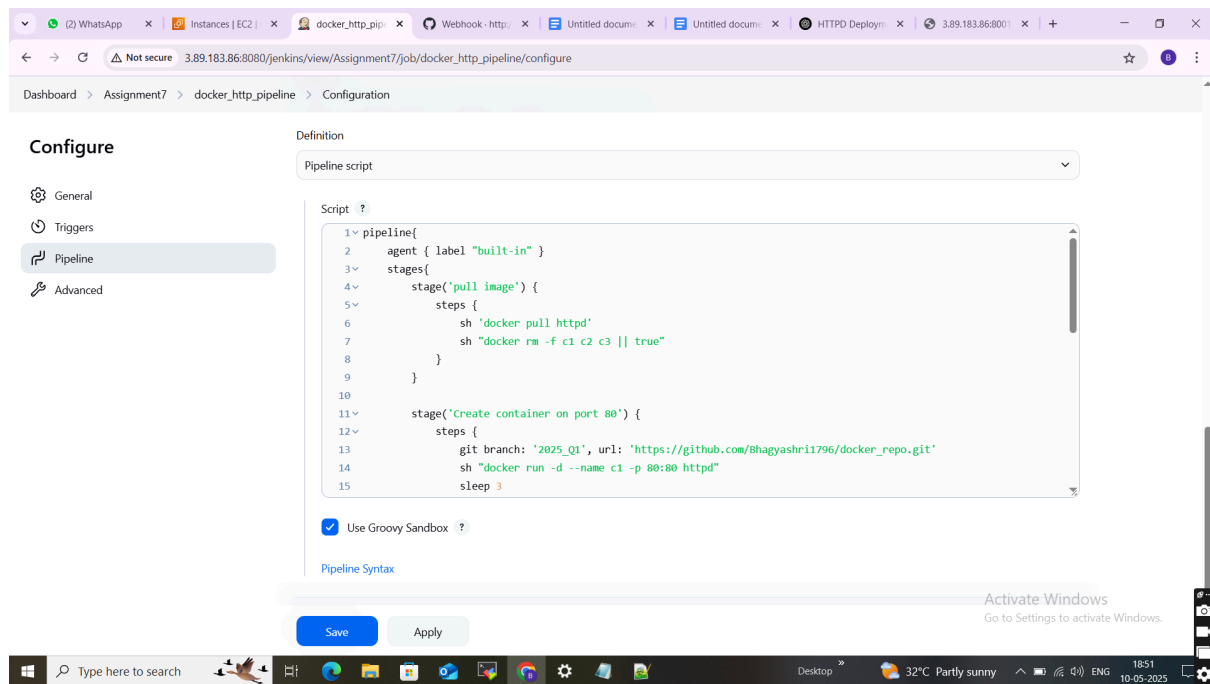


Docker

Assignment 1:

Create container of httpd image and integrate with github repo with three branches and deploy one branch to one container with port 80, port 90 and port 8001 respectively





```

pipeline{
    agent { label "built-in" }
    stages{
        stage('pull image') {
            steps {
                sh 'docker pull httpd'
                sh "docker rm -f c1 c2 c3 || true"
            }
        }

        stage('Create container on port 80') {
            steps {
                git branch: '2025_Q1', url:
'https://github.com/Bhagyashri1796/docker_repo.git'
                sh "docker run -d --name c1 -p 80:80 httpd"
                sleep 3
                sh "docker cp index.html
c1:/usr/local/apache2/htdocs/index.html"
                sh "docker exec c1 chmod 777
/usr/local/apache2/htdocs/index.html"
            }
        }

        stage('Create container on port 90') {
            steps {
                git branch: '2025_Q2', url:
'https://github.com/Bhagyashri1796/docker_repo.git'
                sh "docker run -d --name c2 -p 90:80 httpd"
                sleep 3
                sh "docker cp index.html
c2:/usr/local/apache2/htdocs/index.html"
            }
        }
    }
}

```

```

        sh "docker exec c2 chmod 777
/usr/local/apache2/htdocs/index.html"
    }
}
stage('Create container on port 8001') {
    steps {
        git branch: '2025_Q3', url:
'https://github.com/Bhagyashri1796/docker_repo.git'
        sh "docker run -d --name c3 -p 8001:80 httpd"

        sleep 3

        sh "docker cp index.html
c3:/usr/local/apache2/htdocs/index.html"
        sh "docker exec c3 chmod 777
/usr/local/apache2/htdocs/index.html"
    }
}
}
}
}

```

The screenshot displays the Jenkins web interface in a browser window. The address bar shows the URL: `3.89.183.86:8080/jenkins/view/Assignment7/job/docker_http_pipeline/13/`. The Jenkins logo and navigation links are visible at the top. The main content area shows the details for build #13, which was completed on May 10, 2025, at 12:59:28 PM. The build status is indicated by a green checkmark. The left sidebar contains various navigation options such as Status, Changes, Console Output, Edit Build Information, Delete build, Timings, Git Build Data, Pipeline Console, Restart from Stage, Replay, Pipeline Steps, Workspaces, and Previous Build. The main panel displays the build's execution details, including the user 'admin', the duration (20 seconds), and the source code repository information. The repository is `https://github.com/Bhagyashri1796/docker_repo.git`, and the build was triggered by the `refs/remotes/origin/2025_Q3` branch. The build output shows that the container 'c3' was successfully created and the index.html file was copied to the container's web root.

Dashboard > Assignment7 > docker_http_pipeline > #13

```
fetching changes from the remote git repository
> git config remote.origin.url https://github.com/Bhagyashri1796/docker_repo.git # timeout=10
Fetching upstream changes from https://github.com/Bhagyashri1796/docker_repo.git
> git --version # timeout=10
> git --version # 'git version 2.47.1'
> git fetch --tags --force --progress -- https://github.com/Bhagyashri1796/docker_repo.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/2025_Q3^{commit} # timeout=10
Checking out Revision 9818381367900d07f57c08c780aee80f7a310612 (refs/remotes/origin/2025_Q3)
> git config core.sparsecheckout # timeout=10
> git checkout -f 9818381367900d07f57c08c780aee80f7a310612 # timeout=10
> git branch -a -v --no-abbrev # timeout=10
> git checkout -b 2025_Q3 9818381367900d07f57c08c780aee80f7a310612 # timeout=10
Commit message: "Update index.html"
First time build. Skipping changelog.
[Pipeline] sh
+ docker run -d --name c3 -p 8001:80 httpd
1b26d605f8687b13a36bda8db3ecdcbc2a4b9e7fc3b30fa06eb03a44e3519bed
[Pipeline] sleep
Sleeping for 3 sec
[Pipeline] sh
+ docker cp index.html c3:/usr/local/apache2/htdocs/index.html
[Pipeline] sh
+ docker exec c3 chmod 777 /usr/local/apache2/htdocs/index.html
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```

Activate Windows
Go to Settings to activate Windows.

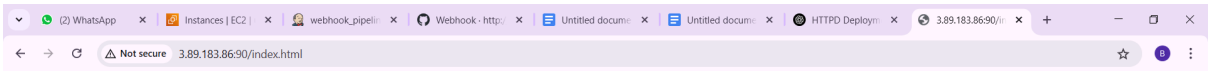
webhook_pipeline x Webhook - http: x Untitled docum: x Untitled docum: x HTTPD Deploy: x 3.89.183.86/index.html

← → ↻ Not secure 3.89.183.86/index.html

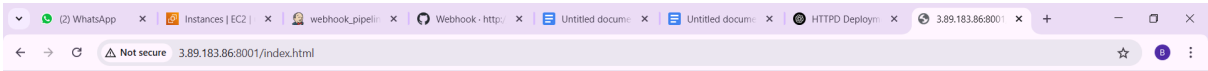
This is 2025_Q1 branch

Activate Windows
Go to Settings to activate Windows.

Type here to search Desktop 32°C Partly sunny 18:53 10-05-2025



This is 2025_Q2 branch



This is 2025_Q3 branch

