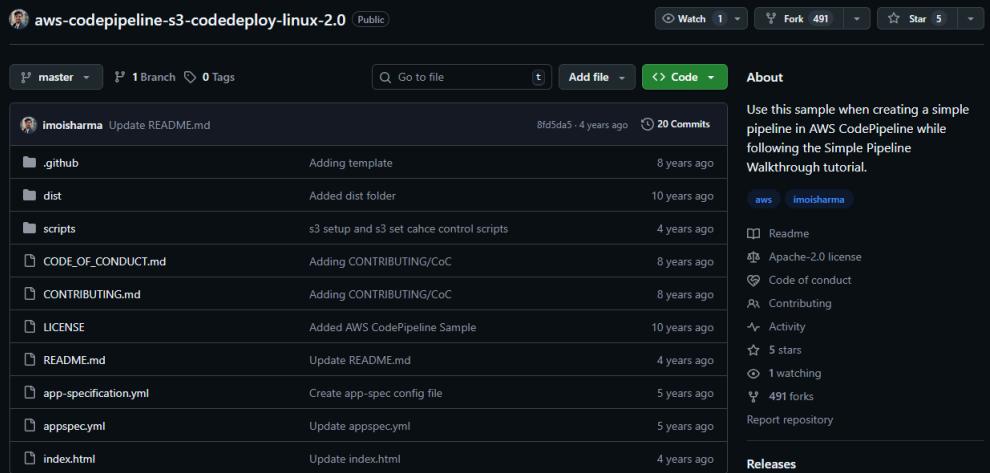
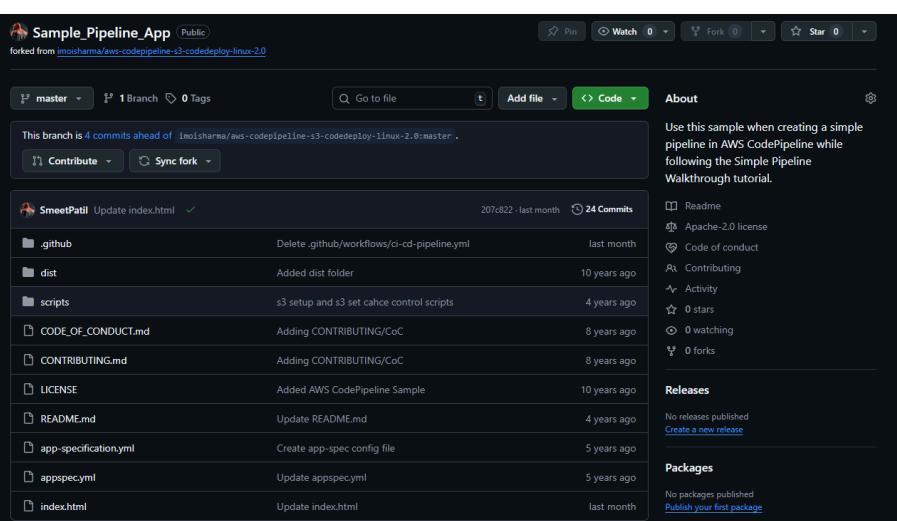


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PID: 231083	Time:9:00 am to 11:00 am
Roll No:16	No. of Pages:
Duration: One Hour	

Sr No	Problem Statement (Type here):
1.	<p>Step 1 (creation/configuration/initial step(s)): (write step clearly) Create a fork of the repo containing a sample pipeline app on Github</p> <p>Screenshot 1: (full ss with login details and time stamp)</p>  <p>The screenshot shows a GitHub repository page for 'aws-codepipeline-s3-codedeploy-linux-2.0'. The repository has 1 branch and 0 tags. It contains 20 commits from 'imoisharma' over 4 years ago. The commits include updates to README, .github, dist, scripts, and app-specification.yml files. The repository is public and has 491 forks. A timestamp in the bottom right corner shows 09:40 on 29-10-2025.</p> <p>Sample pipeline app on github</p>  <p>The screenshot shows a GitHub repository page for 'Sample_Pipeline_App', which is a fork of 'imoisharma/aws-codepipeline-s3-codedeploy-linux-2.0'. The repository has 1 branch and 0 tags. It contains 24 commits from 'SmeetPatil' and 'imoisharma' over the last month. The commits are identical to the original repository. The repository is public and has 0 forks. A timestamp in the bottom right corner shows 09:40 on 29-10-2025.</p>
2.	<p>Step 2 (internal step 1): (write step clearly) Add pipeline code to .github/workflows/ci-cd-pipeline.yml file and push it to the repo</p>

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Screenshot 2: (full ss with login details and time stamp)

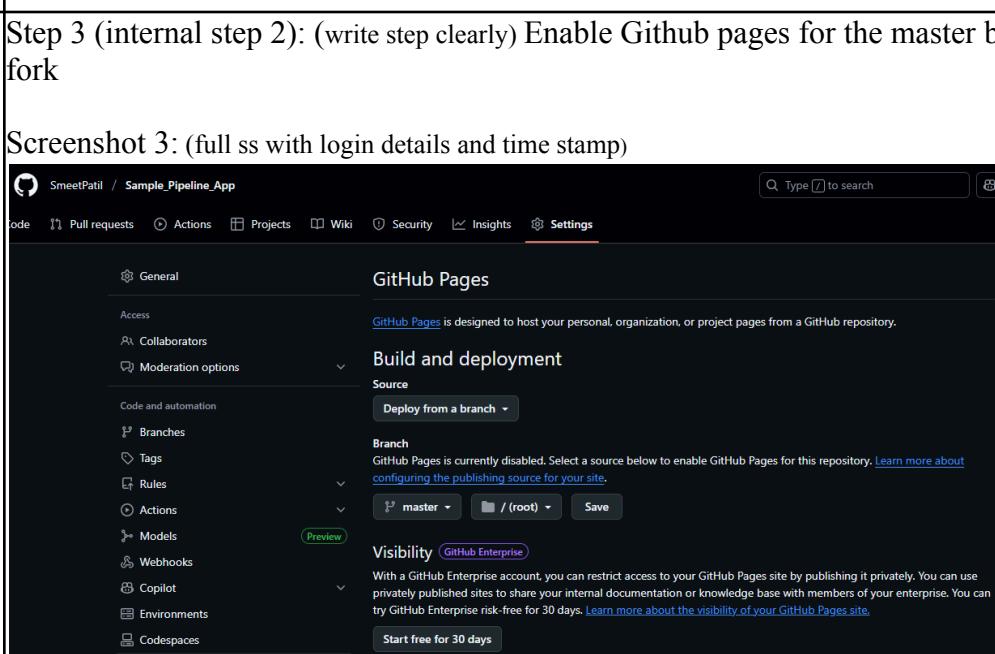
```
C: > Users > student > Desktop > ! ci-cd-pipeline.yml
 1   name: CI Pipeline
 2
 3   on:
 4     push:
 5       branches: [ "main" ]
 6     pull_request:
 7       branches: [ "main" ]
 8
 9   jobs:
10     build:
11       runs-on: ubuntu-latest
12
13     steps:
14       - name: Checkout code
15         uses: actions/checkout@v3
16
17       - name: Set up Node.js
18         uses: actions/setup-node@v3
19         with:
20           node-version: '16'
21
22       - name: Install dependencies
23         run: npm install
24
25       - name: Run tests
26         run: npm test
```

09:41
29-10-2025

Pipeline code for the workflow

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	<pre> 1 name: CI Pipeline 2 3 on: 4 push: 5 branches: ["main"] 6 pull_request: 7 branches: ["main"] 8 9 jobs: 10 build: 11 runs-on: ubuntu-latest 12 13 steps: 14 - name: Checkout code 15 uses: actions/checkout@v3 16 17 - name: Set up Node.js 18 uses: actions/setup-node@v3 19 with: 20 node-version: '16' 21 22 - name: Install dependencies 23 run: npm install 24 25 - name: Run tests 26 run: npm test </pre> <div style="background-color: #e0e0e0; padding: 5px; display: inline-block;"> 09:48 29-10-2025 </div>
	<p>Create the file in .github/workflows and name it ci-cd-pipeline.yml</p>
<p>3.</p> <p>Step 3 (internal step 2): (write step clearly) Enable Github pages for the master branch of this fork</p> <p>Screenshot 3: (full ss with login details and time stamp)</p>	 <div style="background-color: #e0e0e0; padding: 5px; display: inline-block;"> 09:52 29-10-2025 </div> <p>Enable pages for the master branch</p>

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4. Step 4 (internal step 3): (write step clearly) Go to Actions section in the repo to see the build of the index.html file which was configured via the pipeline script

Screenshot 4: (full ss with login details and time stamp)

The screenshot shows the AWS CodePipeline interface. At the top, it displays 'All workflows' and 'Showing runs from all workflows'. Below this, it shows a single workflow run titled 'pages build and deployment #1' triggered by 'SmeetPatil' on the 'master' branch. The run status is 'Success' with a total duration of '40s'. A link to the artifacts is provided. The pipeline itself has three stages: 'build', 'report-build-status', and 'deploy'. The 'build' stage took 22s, 'report-build-status' took 4s, and 'deploy' took 9s. The URL for the deployed application is listed as https://smreetpatil.github.io/Sample_Pipe.... On the right side of the screenshot, there is a timestamp '09:55' and a date '29-10-2025'.

The page has been deployed successfully. Open the page using the link given

The screenshot shows the result of the deployment. It features a large 'Congratulations!' message in white on a green background. Below it, a message states: 'You have successfully created a pipeline that retrieved this source application from an Amazon S3 bucket and deployed it to three Amazon EC2 instances using AWS CodeDeploy.' At the bottom, a note reads: 'For next steps, read the AWS CodePipeline Documentation. Inedgede 2020'. On the right side, there is a timestamp '09:57' and a date '29-10-2025'.

The original unchanged index.html file deployed

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5. Step 5 : (write step clearly) Make changes in the index.html app to trigger another build showcasing CI/CD pipeline is configured correctly and working

Screenshot 5: (full ss with login details and time stamp)

```
Sample_Pipeline_App / index.html in master
```

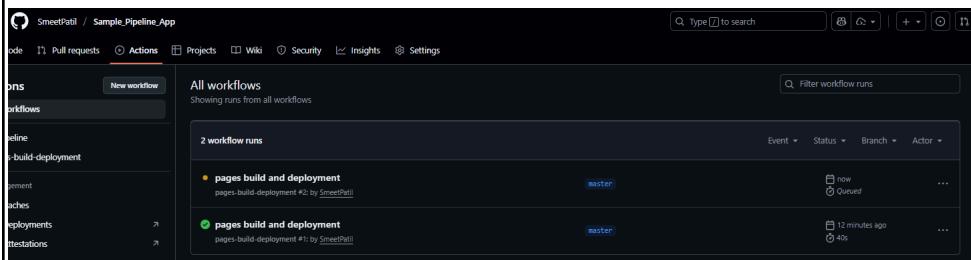
Cancel changes Commit changes

Edits Preview Tabs 4 No wrap

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <meta charset="utf-8">
5   <title>sample deployment</title>
6 </style>
7   body {
8     color: #fff;
9     background-color: #F44336;
10    font-family: Arial, sans-serif;
11    font-size: 14px;
12  }
13  h1 {
14    font-size: 30px;
15    font-weight: normal;
16    margin-bottom: 6px;
17  }
18  h2 {
19    font-size: 20px;
20    font-weight: normal;
21    margin-bottom: 6px;
22  }
23  b { color: blue; }
24 </style>
25 </head>
26 <body>
27 <div align="center">
28   <h1>congratulations!</h1>
29   <p>you have successfully cooked <b>blue meth</b> in the pipeline. Say My Name!!</p>
30   <p>For next steps, visit los pollos hermanos</p>
31 </div>
32 </body>
33 </html>
```

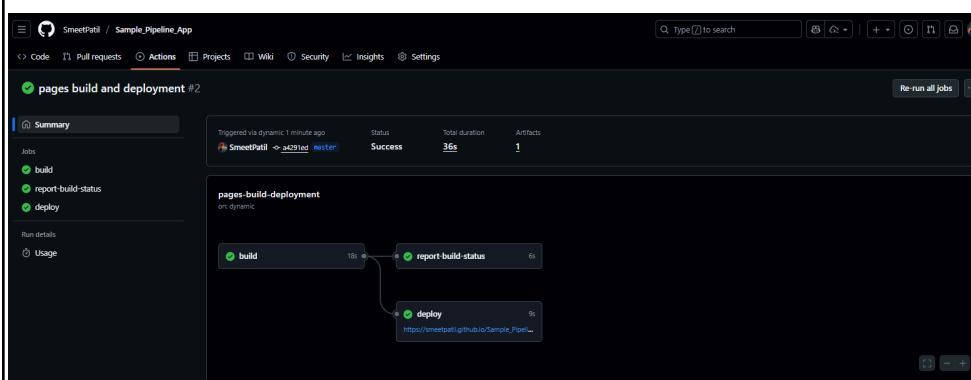
10:03
29-10-2025

Make changes in index.html



10:05
29-10-2025

A second build of the page is auto queued in the Actions tab



10:06
29-10-2025

It auto builds the page again with the changes

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	<h1>Congratulations!</h1> <p>You have successfully cooked blue meth in the pipeline. Say My Name!!!</p> <p>For next steps, visit Los Pollos Hermanos</p> <p>10:07 29-10-2025</p>
	The changes have been deployed ensuring CI/CD pipeline is working.
	Note: Adjust SS to fit in the table row. SS should include username and timestamp. Add rows if needed