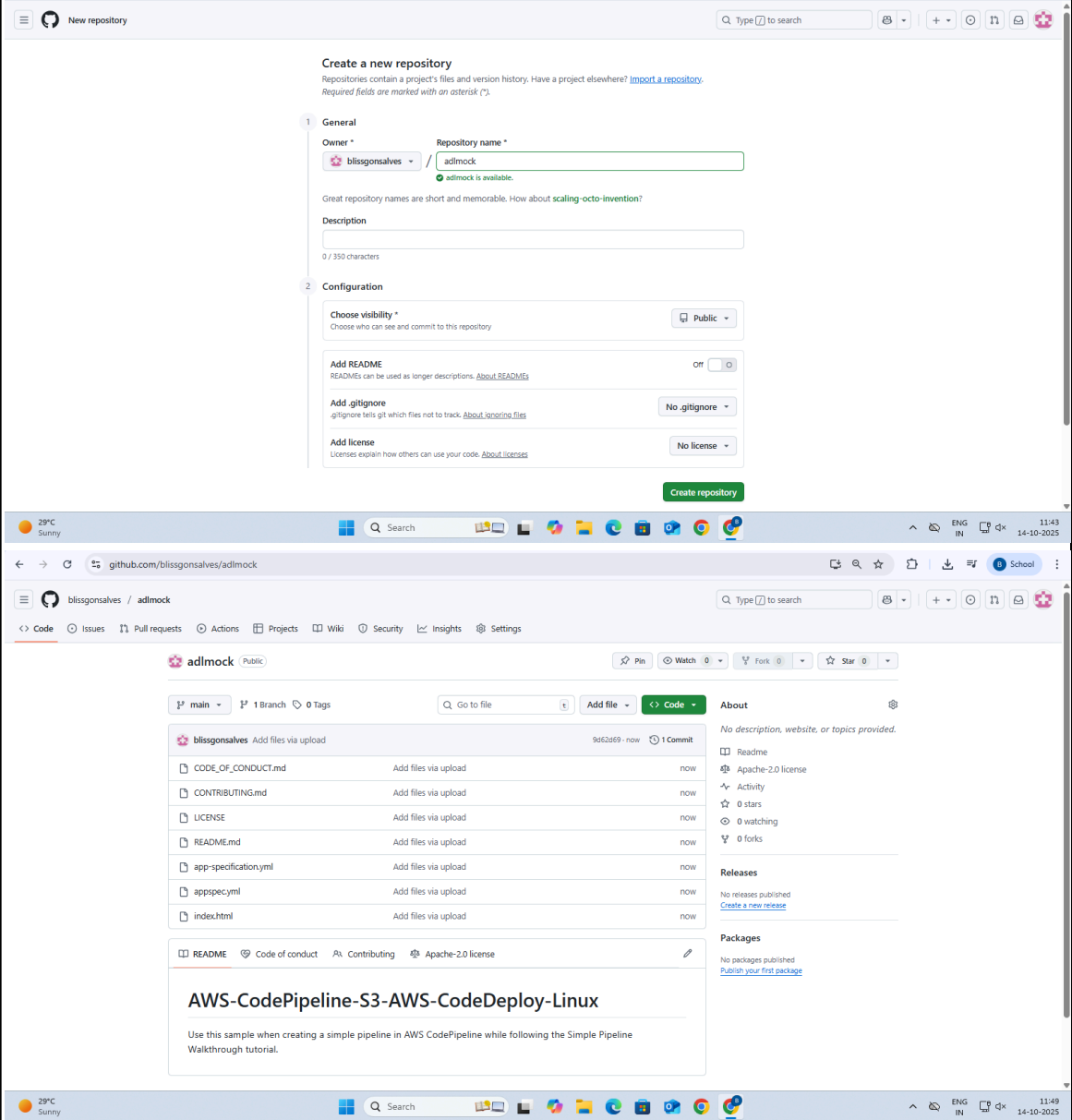


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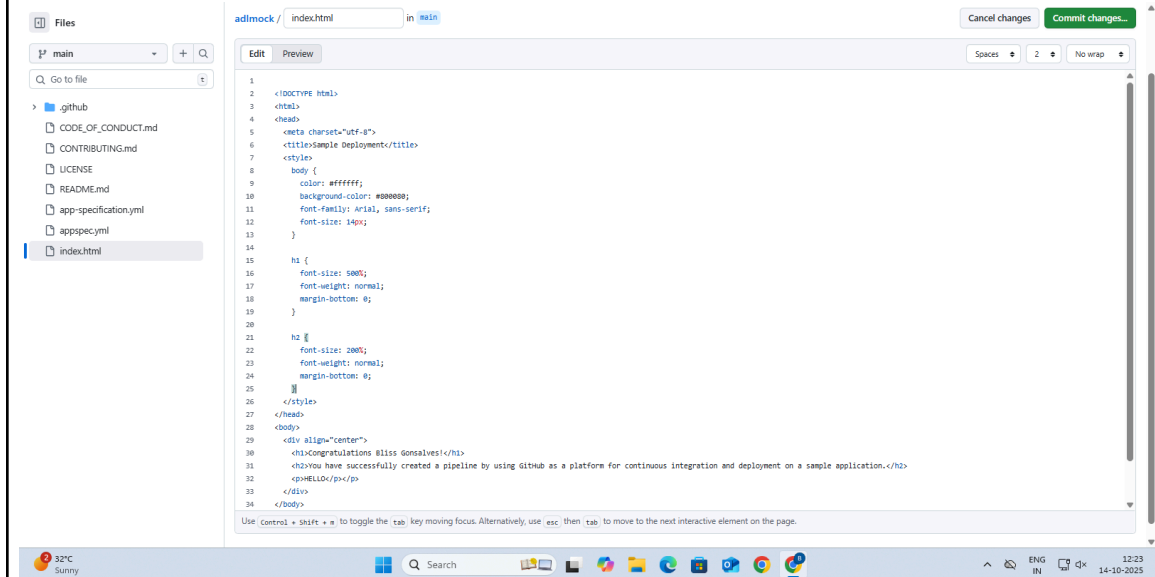
Sr No	Problem Statement (Type here): To understand and implement the concept of a pipeline by using GitHub as a platform for continuous integration and deployment on a sample application
1.	<p>Step 1 (creation/configuration/initial step(s)): Create Repository and add files.</p> <p>Screenshot 1:</p>  <p>The screenshot shows two parts of the GitHub interface. The top part is the 'Create a new repository' form. It has two sections: 'General' and 'Configuration'. In the 'General' section, the owner is 'blissgonsalves' and the repository name is 'adlmock', which is marked as available. The description is empty. In the 'Configuration' section, the visibility is set to 'Public', 'Add README' is turned off, 'Add .gitignore' is set to 'No .gitignore', and 'Add license' is set to 'No license'. A green 'Create repository' button is at the bottom. The bottom part of the screenshot shows the newly created repository page for 'adlmock'. It displays the repository name, a table of files (CODE_OF_CONDUCT.md, CONTRIBUTING.md, LICENSE, README.md, app-specification.yml, appspec.yml, index.html) with their creation times and commit counts, and a section for the README titled 'AWS-CodePipeline-S3-AWS-CodeDeploy-Linux'.</p>

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2. Step 2 (internal step 1): Write sample deployment html code.

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

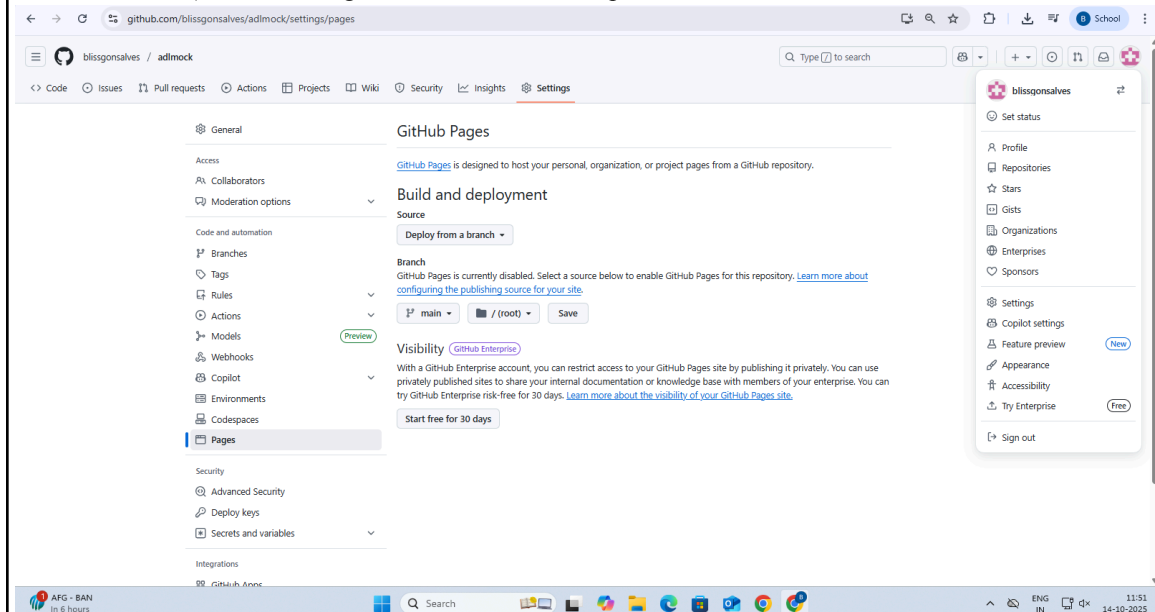


The screenshot shows a code editor with a file explorer on the left. The file explorer shows a directory structure with files like CODE_OF_CONDUCT.md, CONTRIBUTING.md, LICENSE, README.md, app-specification.yml, appspec.yml, and index.html. The index.html file is selected. The code editor shows the following HTML code:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <meta charset="utf-8">
5   <title>Sample Deployment</title>
6   <style>
7     body {
8       color: #ffffff;
9       background-color: #000000;
10      font-family: arial, sans-serif;
11      font-size: 14px;
12    }
13  }
14
15  h1 {
16    font-size: 500%;
17    font-weight: normal;
18    margin-bottom: 0;
19  }
20
21  h2 {
22    font-size: 200%;
23    font-weight: normal;
24    margin-bottom: 0;
25  }
26 </style>
27 </head>
28 <body>
29   <div align="center">
30     <h1>Congratulations Bliss Gonsalves!</h1>
31     <h2>You have successfully created a pipeline by using Github as a platform for continuous integration and deployment on a sample application.</h2>
32     <p>HELLO</p>
33   </div>
34 </body>
```

3. Step 3 (internal step 2): Configure github pages in settings.

Screenshot 3: (full ss with login details and time stamp)



4. Step 4 (internal step 3): In actions, click on the link to view deployment.

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

The screenshot displays the GitHub Actions interface for the repository 'blissgonsalves / adimock'. The top section shows a list of workflow runs under the 'pages-build-deployment' workflow. The runs are triggered by pushes to the 'main' branch. The selected run, 'pages build and deployment #3', is shown in detail below. The workflow steps include 'build', 'report-build-status', and 'deploy'. The 'build' step has a duration of 22s, 'report-build-status' has a duration of 6s, and 'deploy' has a duration of 10s. The overall status of the run is 'Success'.

Workflow Runs:

Run Name	Event	Status	Branch	Actor	Time
Update index.html	Push	Success	main	blissgonsalves	2 minutes ago
pages build and deployment	Push	Success	main	blissgonsalves	2 minutes ago
pages build and deployment	Push	Success	main	blissgonsalves	6 minutes ago

Run Details for 'pages build and deployment #3':

Triggered via dynamic row
blissgonsalves -> f5c3342 -> main

Status: Success
Total duration: 43s
Artifacts: 1

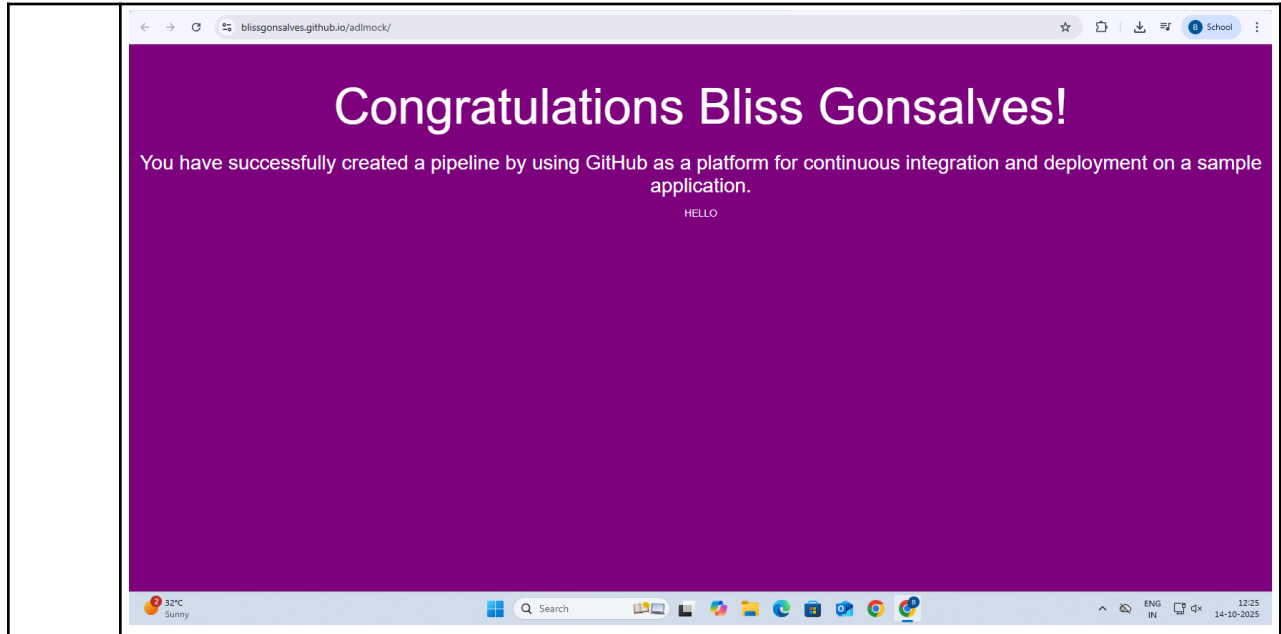
Workflow Steps:

- build (22s)
- report-build-status (6s)
- deploy (10s)

The 'deploy' step is linked to the artifact 'https://blissgonsalves.github.io/adimock/'.

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5. Step 5: Making changes in the code to track continuous deployment and integration of the pipeline

Screenshot 5:

The screenshot displays a GitHub repository for 'blissgonsalves/adimock'. The top section shows the 'index.html' file with the following code:

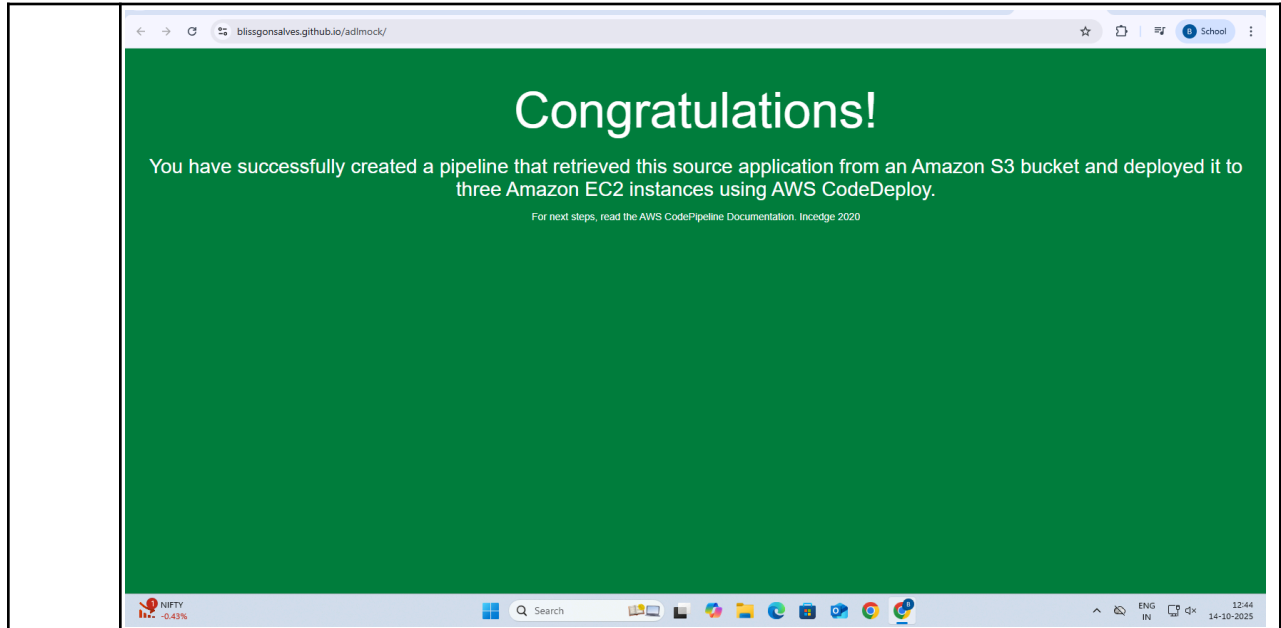
```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <meta charset="utf-8">
5   <title>Sample Deployment</title>
6   <style>
7     body {
8       color: #ffffff;
9       background-color: #007bff;
10      font-family: Arial, sans-serif;
11      font-size: 14px;
12    }
13
14    h1 {
15      font-size: 96px;
16      font-weight: normal;
17      margin-bottom: 0;
18    }
19
20    h2 {
21      font-size: 28px;
22      font-weight: normal;
23      margin-bottom: 0;
24    }
25  </style>
26 </head>
27 <body>
28   <div align="center">
29     <h3>Congratulations!</h3>
30     <p>You have successfully created a pipeline that retrieved this source application from an Amazon S3 bucket and deployed it
31     to three Amazon EC2 instances using AWS CodeDeploy.</p>
32     <p>For next steps, read the AWS CodePipeline documentation. <a href="https://docs.aws.amazon.com/codepipeline/latest/userguide/">Incedge 2020</a>
33   </div>
34 </body>
35 </html>
```

The bottom section shows the 'pages build and deployment #1' workflow. The workflow is triggered via dynamic 1 minute ago and has a status of 'Success'. The total duration is 1m 5s, and there is 1 artifact. The workflow steps are:

- build (22s)
- report-build-status (6s)
- deploy (32s) - <https://blissgonsalves.github.io/adimock/>

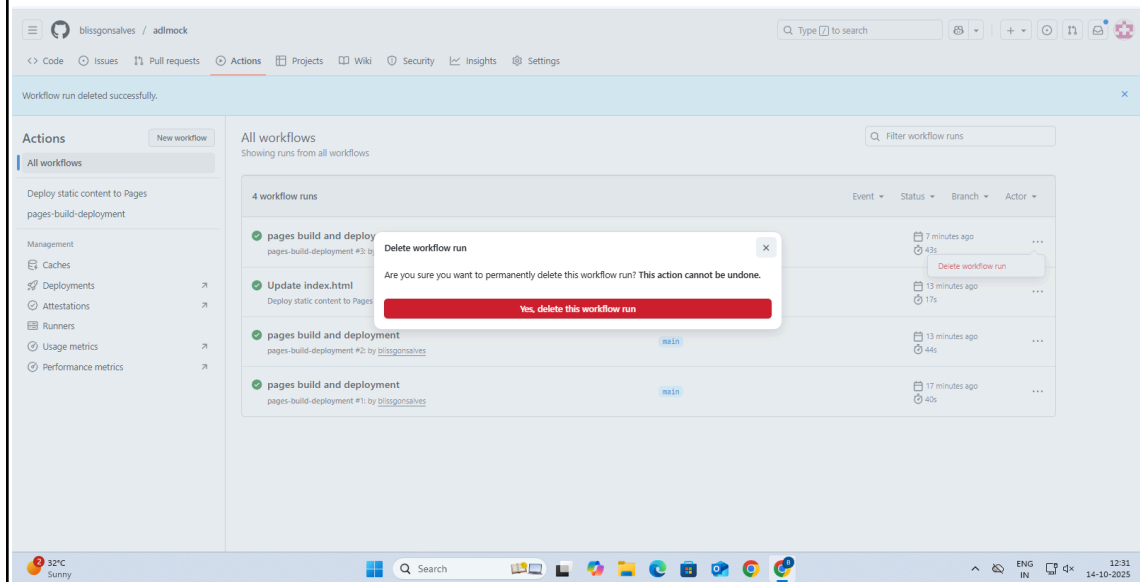
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6. Step 6 (stop/delete step) : Delete the workflow and the repository.

Screenshot 6:



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