Name-Ishan Kiran Joshi   Div-D15C   Roll No-21   A.Y.-2024-25
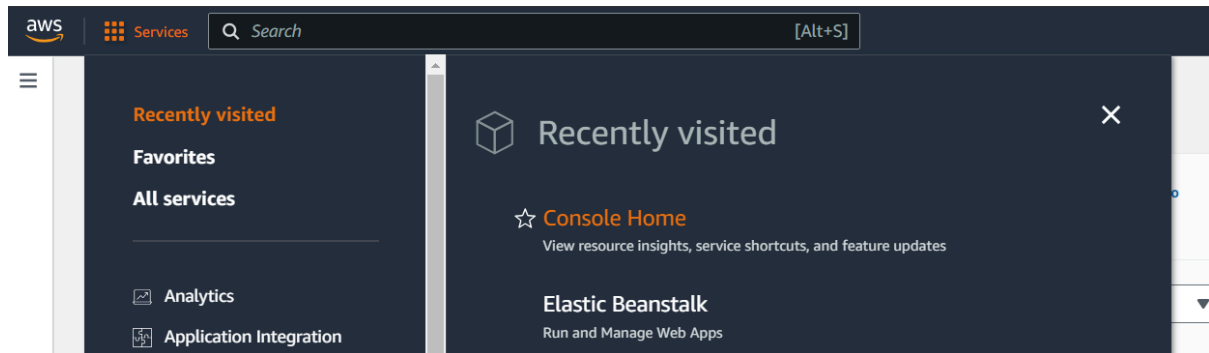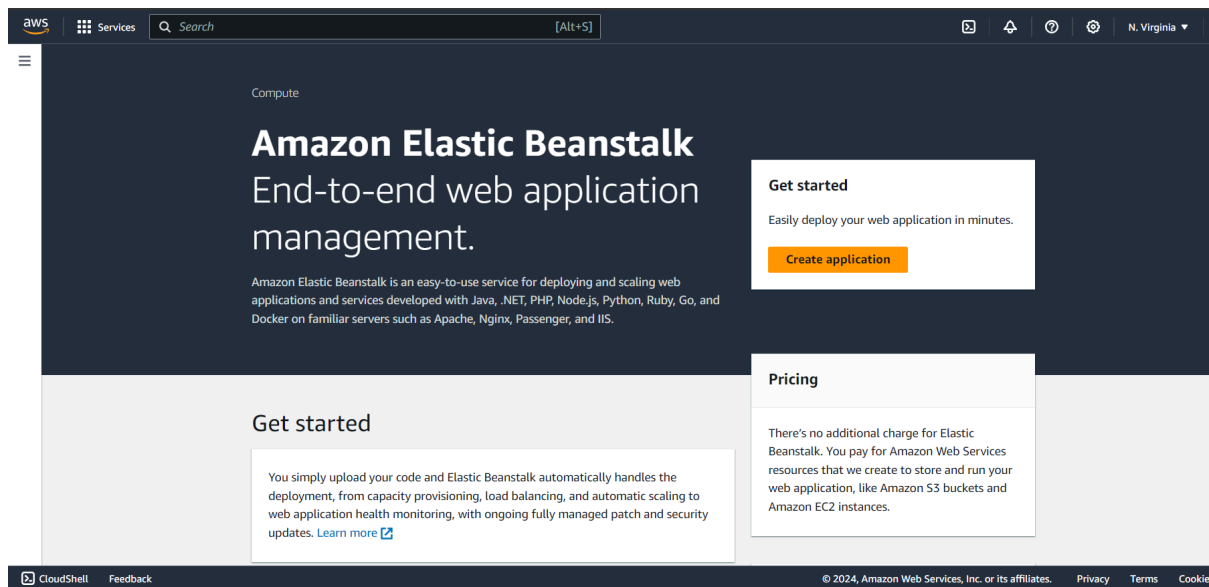
Advance DevOps Lab 2

1. Login to your AWS account and search for Elastic Beanstalk in the search box.

2- Click on Create Application

3- Enter your details

Configure environment Info

Environment tier Info
Amazon Elastic Beanstalk has two types of environment tiers to support different types of web applications.

- ● **Web server environment**
  Run a website, web application, or web API that serves HTTP requests. Learn more ↗
- ○ **Worker environment**
  Run a worker application that processes long-running workloads on demand or performs tasks on a schedule. Learn more ↗

Application information Info

Application name
| ishan2611 |
Maximum length of 100 characters.

▶ Application tags (optional)

Environment information Info
Choose the name, subdomain and description for your environment. These cannot be changed later.

Environment information Info
Choose the name, subdomain and description for your environment. These cannot be changed later.

Environment name
| Ishan2611-env |
Must be from 4 to 40 characters in length. The name can contain only letters, numbers, and hyphens. It can't start or end with a hyphen. This name must be unique within a region in your account.

Domain
| Leave blank for autogenerated value | .us-east-1.elasticbeanstalk.com | Check availability |

Environment description
| |

Platform Info

Platform type
- ● **Managed platform**
  Platforms published and maintained by Amazon Elastic Beanstalk. Learn more ↗
- ○ Custom platform

Platform Info

Platform type
- ● **Managed platform**
  Platforms published and maintained by Amazon Elastic Beanstalk. Learn more ↗
- ○ Custom platform
  Platforms created and owned by you. This option is unavailable if you have no platforms.

Platform
| PHP ▼ |

Platform branch
| PHP 8.3 running on 64bit Amazon Linux 2023 ▼ |

Platform version
| 4.3.1 (Recommended) ▼ |

Application code Info

- ● **Sample application**
- ○ Existing version
  Application versions that you have uploaded.

4-Choose PHP from the drop-down menu and then click Create Application.

5-Check and Review the information

6- Now submit the application

7- Environment is created successfully

8-Get a copy of your sample code

9-Go to the repository and simply fork it.
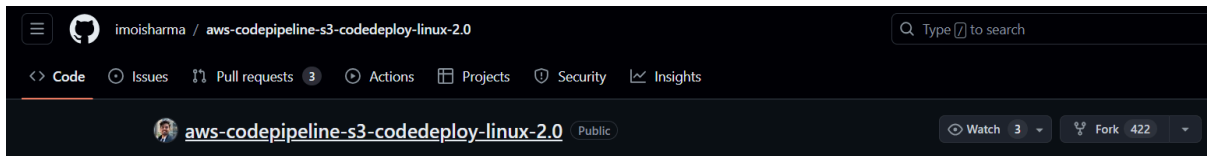
10- Go to AWS Developer Tools -> CodePipeline and create a new Pipeline.
Fill in the initial settings first.
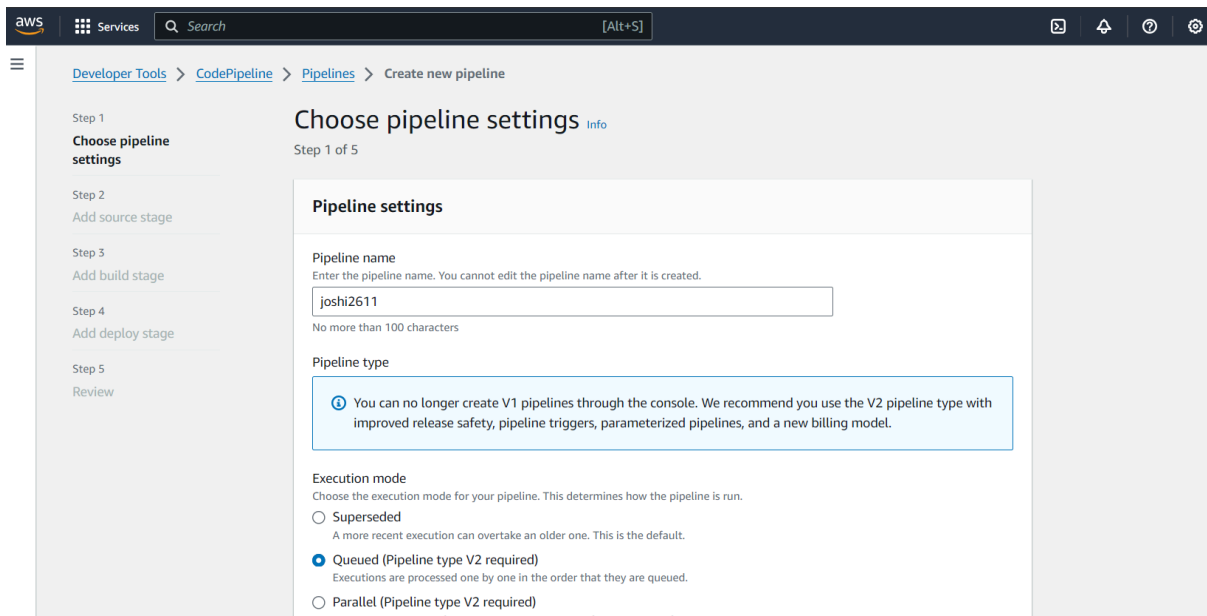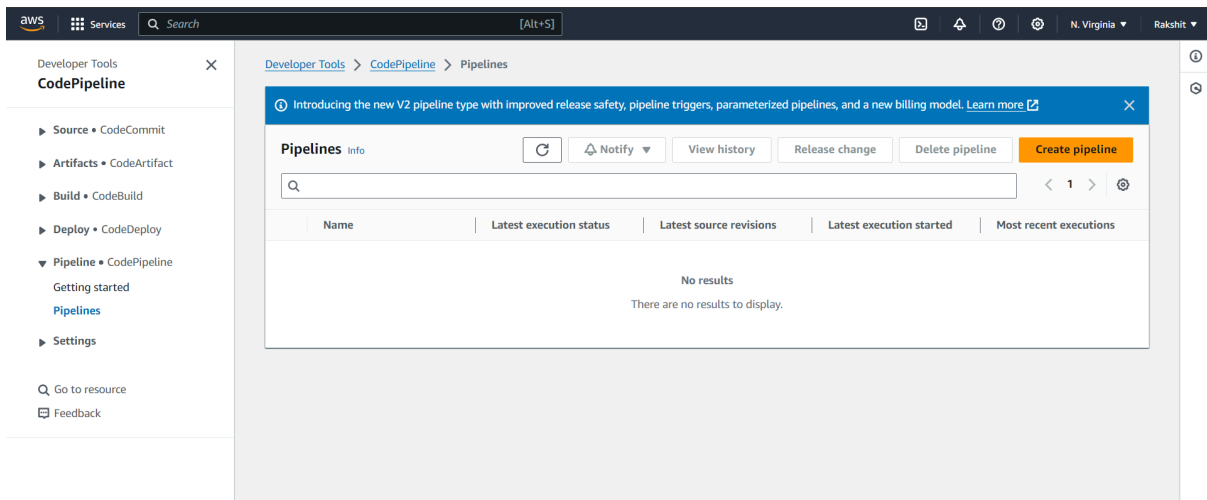
11-In the source stage, choose GitHub v2 as the provider, then connect your GitHub account to AWS by creating a connection. You'd need your GitHub credentials and then you'd need to authorize and install AWS on the forked GitHub Repository.

12-Choose Beanstalk as the Deploy Provider, same region as the Bucket and Beanstalk, name and environment name. Click Next, Review and create the pipeline.

13- Pipeline is created Successfully

14- Check the URL provided in the EBS environment.
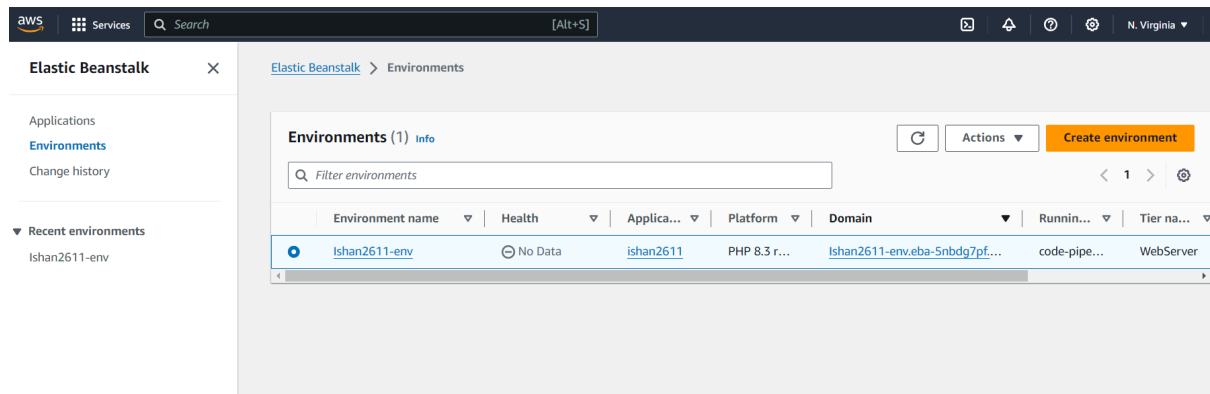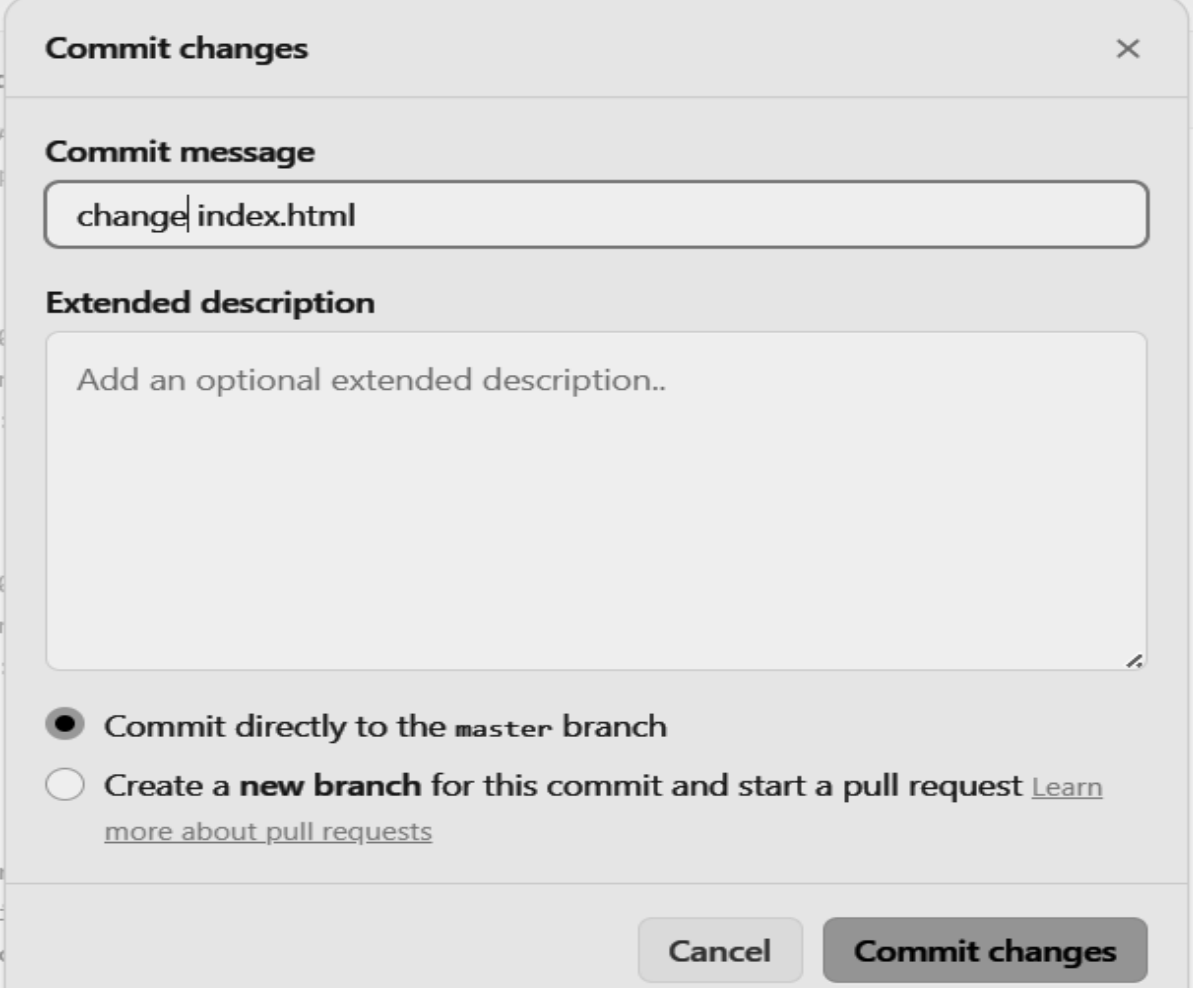
15-This is the sample website we just created.

Congratulations!

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.

For next steps, read the AWS CodePipeline Documentation. Incedge 2020
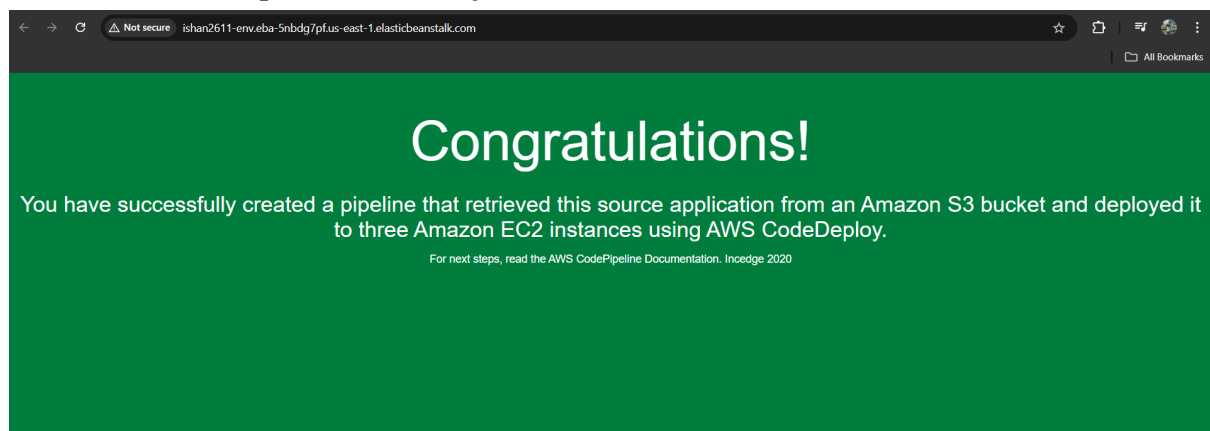
15- Here we will update th code
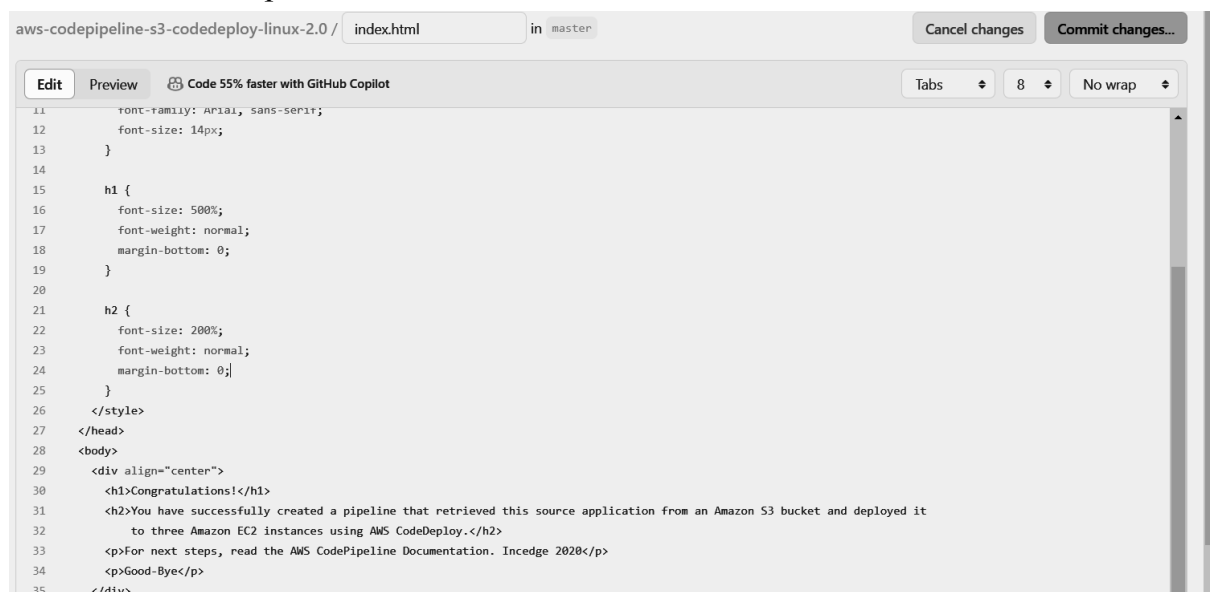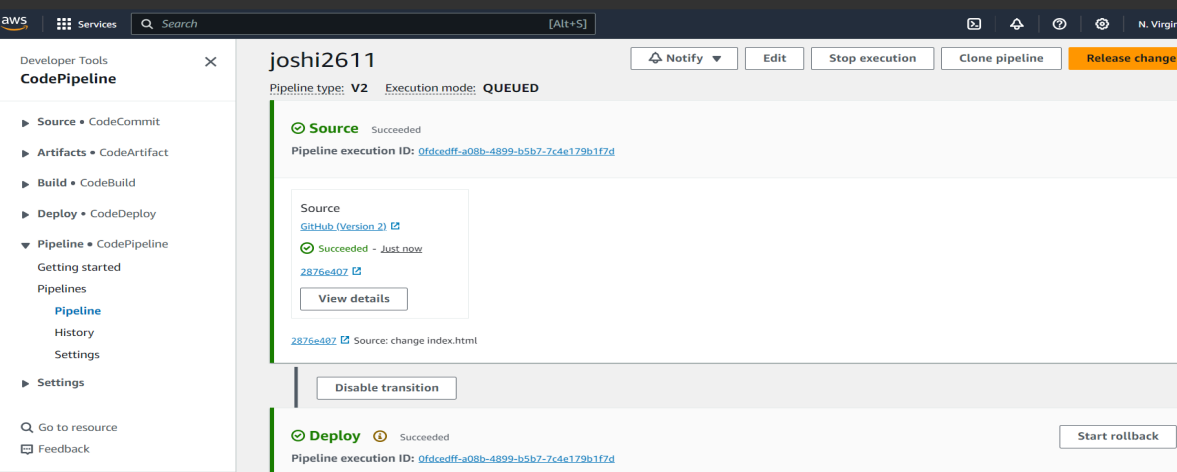
16-Commit these changes on the fly on GitHub.

17-You can view the changes on the website using the same URL,
once the deployment section shows success.

18-Success