

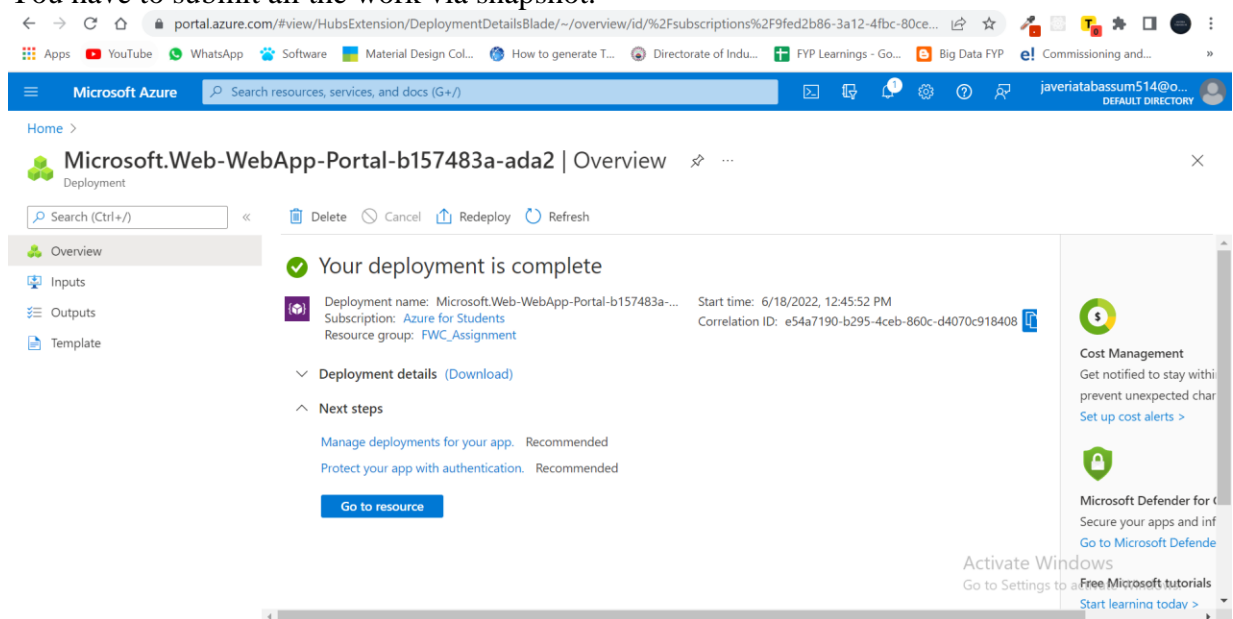
NAME : JAVERIA TABASSUM

ASSIGNMENT:

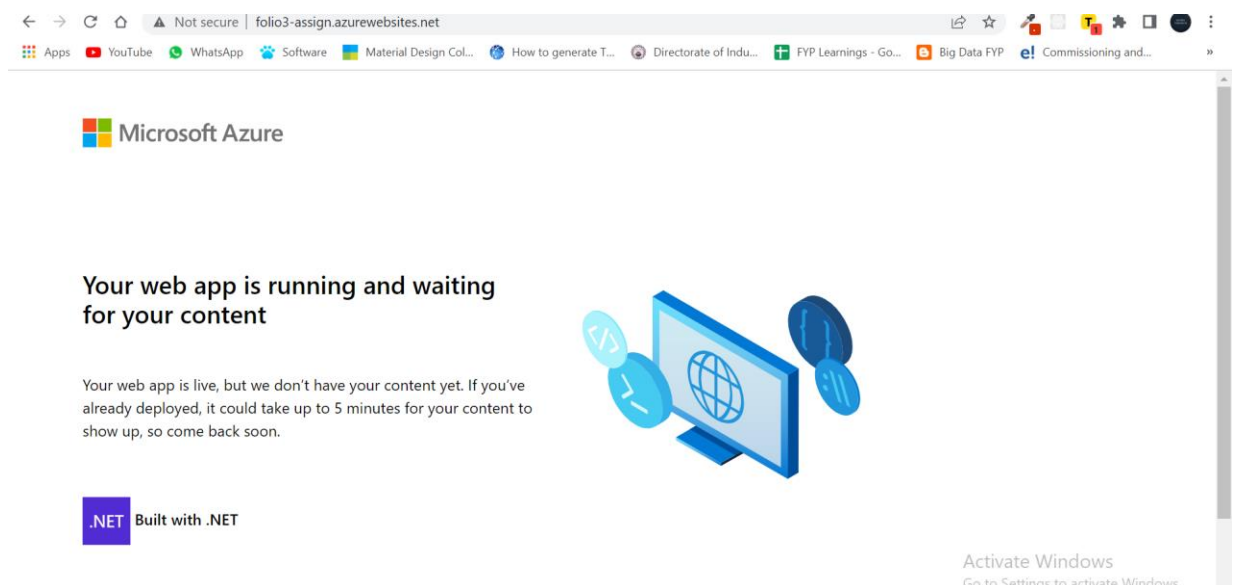
Question No 1: Define CI/CD and its working?

CI / CD stands for Continuous Integration / Continuous Deployment. In CI code changes and deployed frequently and automated test cases and builds are triggered every time the code changes and merged into repository of GitHub/GitLab/bitbucket. The code is delivered as a part of the CD process. The CI/CD pipeline is basically a modern automation concept that provides code changes from developers to be delivered and deployed frequently to production.

Question No 2: Create a CI/CD pipeline and deploy your website on Azure App services as discussed in session. You have to submit all the work via snapshot.



Deployed Website:



Got Error in Jobs while creating pipeline :

##[error]No hosted parallelism has been purchased or granted. To request a free parallelism grant, please fill out the following form <https://aka.ms/azpipelines-parallelism-request>

The screenshot shows the Azure DevOps interface. On the left, the 'practice' project is selected, and the 'Pipelines' section is expanded. The main area displays 'Jobs in run #20220...' for the 'practice-ASP.NET Core-CI' pipeline. A single job, 'Agent job 1', is listed with a red error icon. A modal window titled 'Agent job 1' is open, showing the following error message:

```
1 ##[error]No hosted parallelism has been purchased or granted. To request a free parallelism grant, please fill out the following form https://aka.ms/azpipelines-parallelism-request
2 Pool: Azure Pipelines
3 Image: ubuntu-latest
4 Started: Just now
5 Duration: 10s
6
7 ▶ Job preparation parameters
8 ▶ fx 3 queue time variables used
```

An 'Activate Windows' watermark is visible in the bottom right corner of the modal.

The screenshot shows the Azure DevOps interface for the 'practice-ASP.NET Core-CI' pipeline. The 'Runs' tab is selected, showing a list of pipeline runs. The table below summarizes the runs:

Description	Stages	Time
#20220618.2 Add or update the Azure App Service build and deployment w... Manually triggered for main 67aa93f6	✗	4m ago <1s
#20220618.1 Add or update the Azure App Service build and deployment wo... Manually triggered for main 67aa93f6	✗	5m ago <1s

An 'Activate Windows' watermark is visible in the bottom right corner.