

EXPERIMENT-5

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Branch: MCA (CC & DEVOPS)
Semester: 2nd semester
Subject Name: Cloud Computing

UID: 23MCC20083
Section/Group: 23MCD-1 /A
Date of Performance: 26/02/2024
Subject Code: 23CAH-581

1.Aim/Overview of the practical:

Create a Web App in Azure and Publish Using Visual Studio.

2.Task to be done:

To open the Visual Studio app, write, build and publish a Web App .

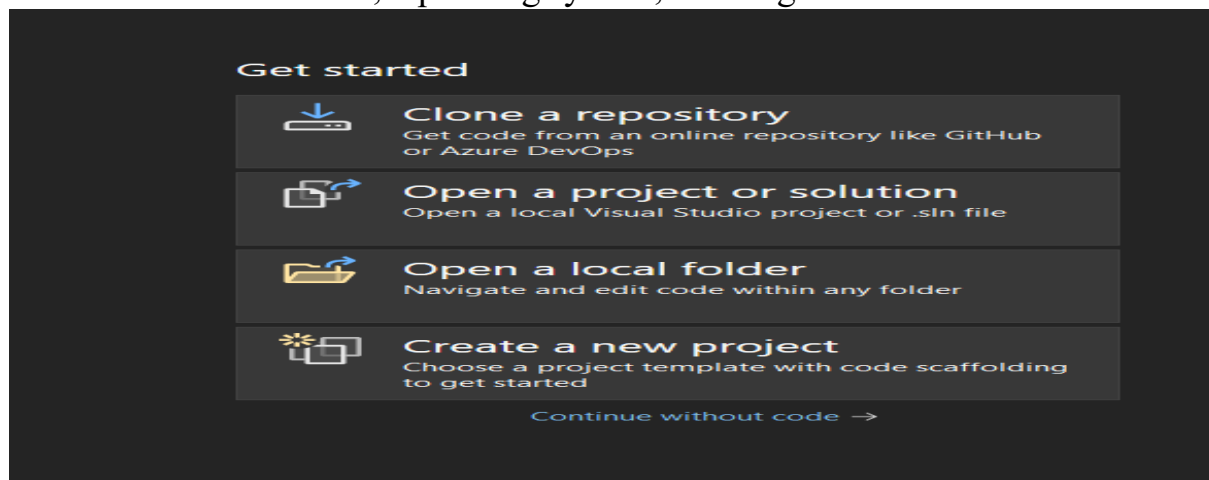
3.Code/Step for the Practical:

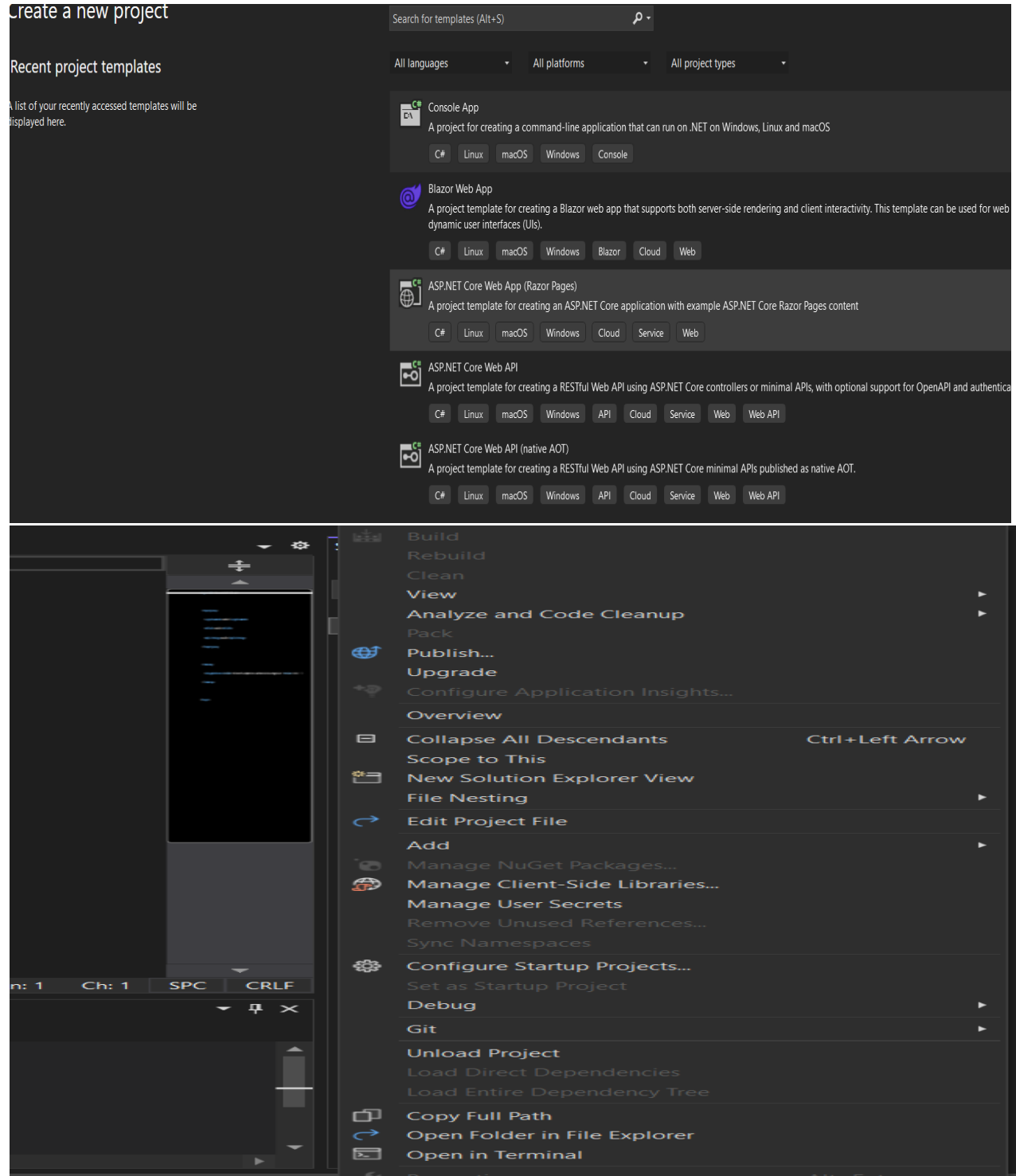
Go to Microsoft Visual Studio 2022 and click on “Create a new Project”.

Now, select “ASP.NET Core Web App” and Click on Next.

Now, type the name of your Project and select the Location of your Project. After this, click on Next.

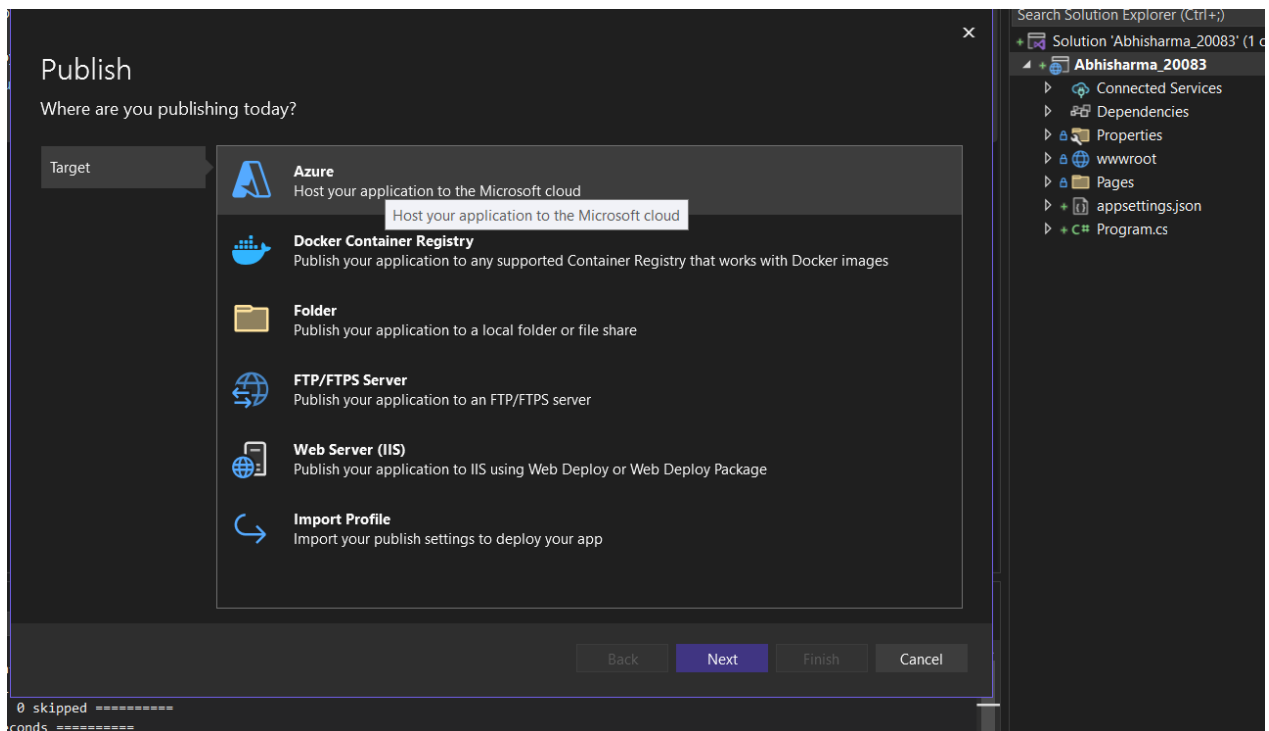
- Now, create a Resource group and provide a name for the Web App. Choose the Runtime stack, Operating system, and Region.



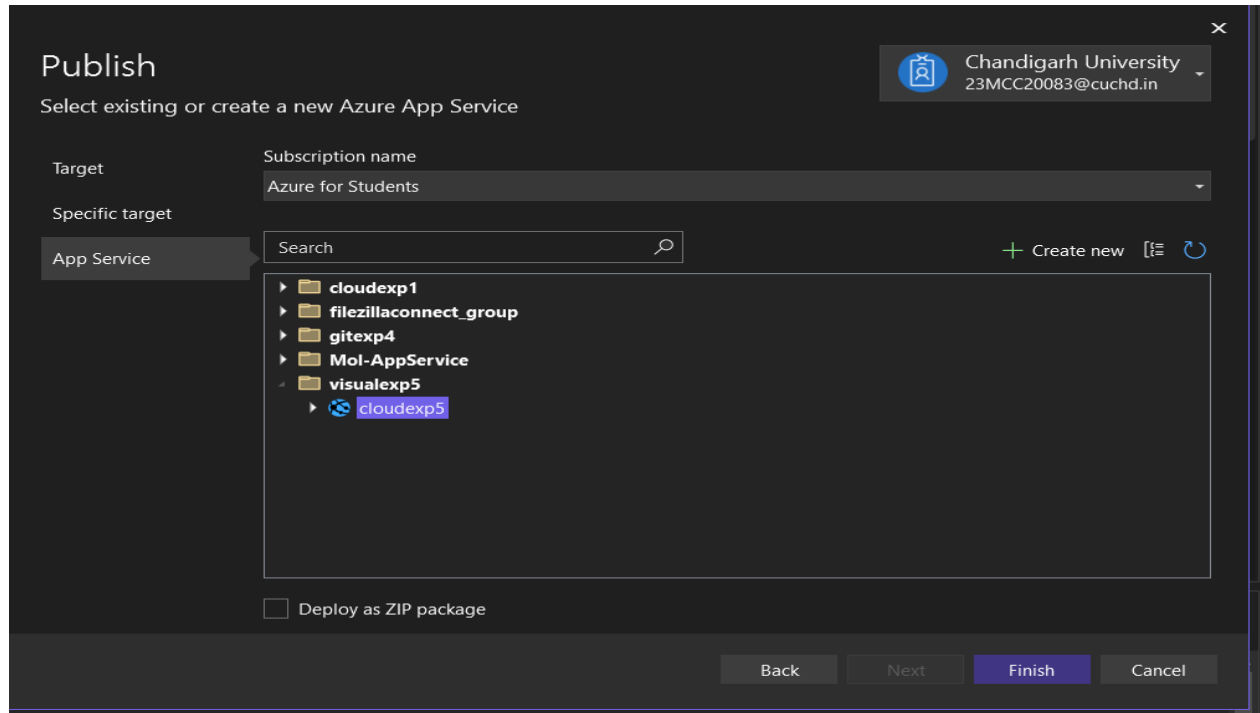


- Leave the Framework and Authentication type as default and click on “Create”.

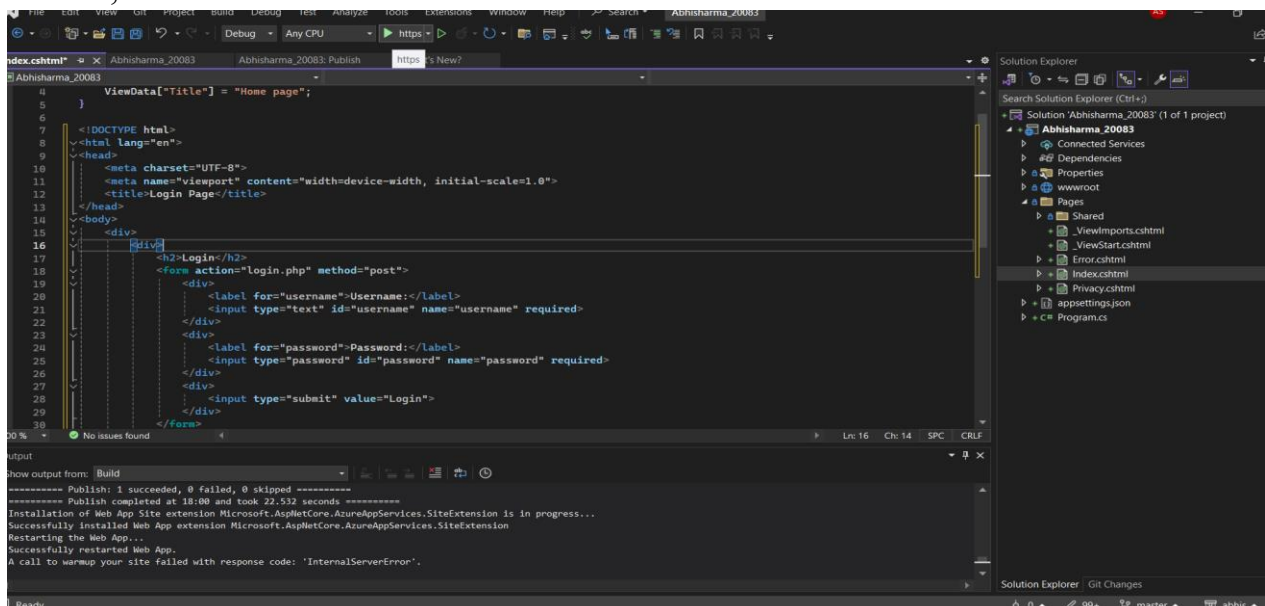
- Now, a window appears which shows the Overview of your project. On the right side, in the solution Explorer, Right click on the name of your Project and select “Build”.
- After clicking on Build, On the bottom of your window, the “Output” shows “Build Started”.
- Now again in the Solution Explorer, Right click on the name of your Project and select “Publish



- Now Publish window appears which shows various targets like Azure, Docker Container Registry, Folder etc. Select “Azure” from these targets and click on Next.
- Now, Select the Specific Target as “Azure App Service (Windows)” and click on Next.
- After this, App Service windows appears. In it, select the Resource Group and then “Web App” of your choice which you created in Azure Portal
- Click on Finish.

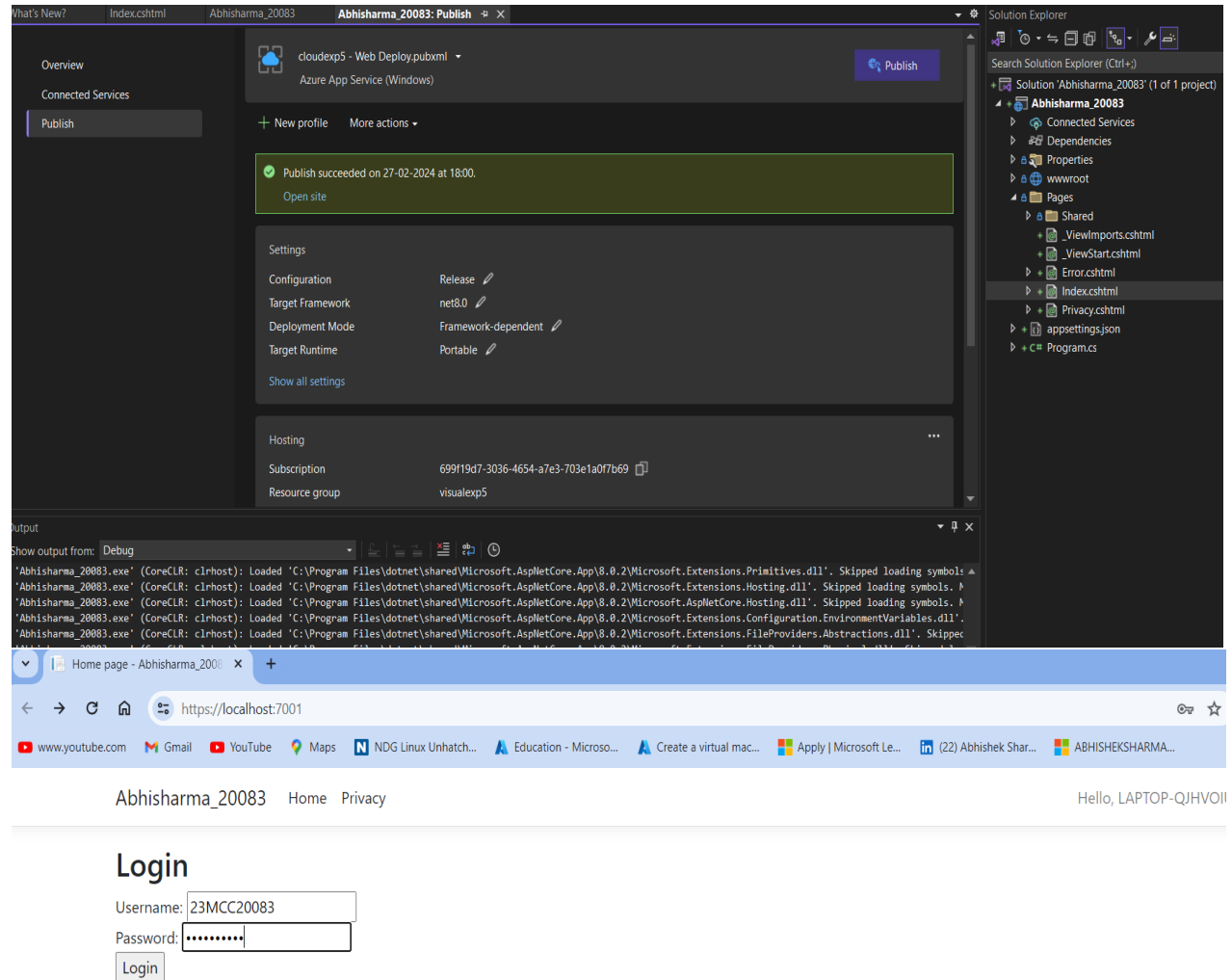


- Now, Publish Profile is created. Click on Close Button.
- A window appears which shows Settings and Hosting Information.
- Now, click on “Publish” button in the Top - Right Corner. Now, you will see “Publish Succeeded”.
- In the Solution Explorer, On the name of your Project, click on Pages. After this, Double Click on “Index.cshtml”.



- Now go to Publish Section of your Project and again Click on Publish. After this, a chrome tab appears which shows the output of your Project.

4.Result/ Summary:



The screenshot displays the Visual Studio interface during the deployment of a project named 'Abhisharma_20083'. The 'Publish' section is active, showing a success message: 'Publish succeeded on 27-02-2024 at 18:00.' Below this, settings for the deployment are listed: Configuration (Release), Target Framework (net8.0), Deployment Mode (Framework-dependent), and Target Runtime (Portable). The hosting information shows a subscription and resource group. The output window at the bottom shows the application running on 'https://localhost:7001'. A browser window is also visible, showing the application's home page with a login form.

5.Learning Outcomes (What I have learned)

I Learned to: -

- Create a WebApp on the Microsoft Azure Portal.
- Use the azure service in the visual studios where we have created a project and publishing through visual studio.