

Lab Manual for Cloud Computing

Lab No. 11

Deployment of Web Application using IIS

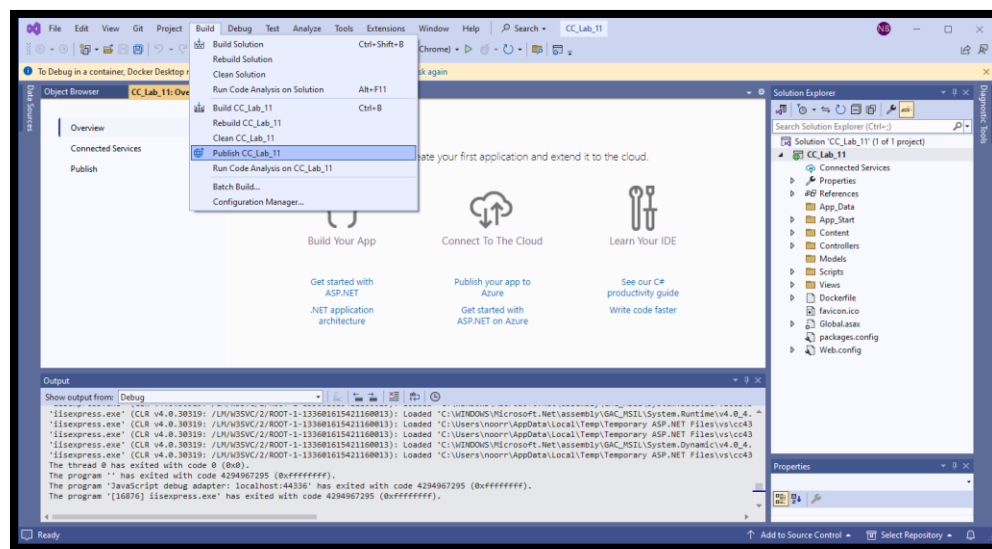
LAB 11: DEPLOYMENT OF WEB APPLICATION USING IIS

1. INTRODUCTION:

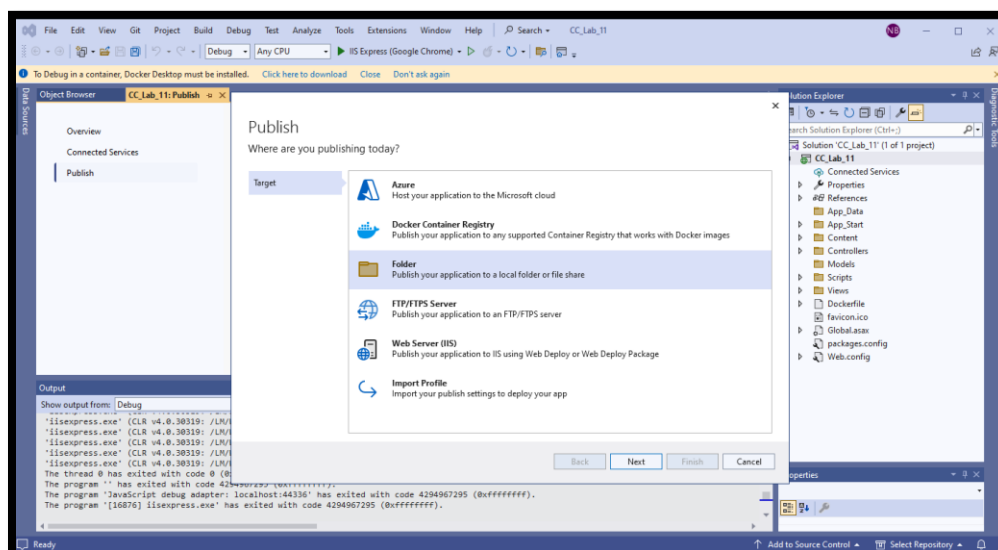
Deploying a web application using Internet Information Services (IIS) involves configuring the IIS web server on a Windows server to host and serve the application. This process includes setting up the server environment, copying application files to the server, configuring website settings in IIS, and testing the deployment to ensure its functionality. IIS provides a robust platform for hosting web applications, offering features for scalability, security, and performance monitoring.

Example of Publishing ASP .Net Web Application on IIS:

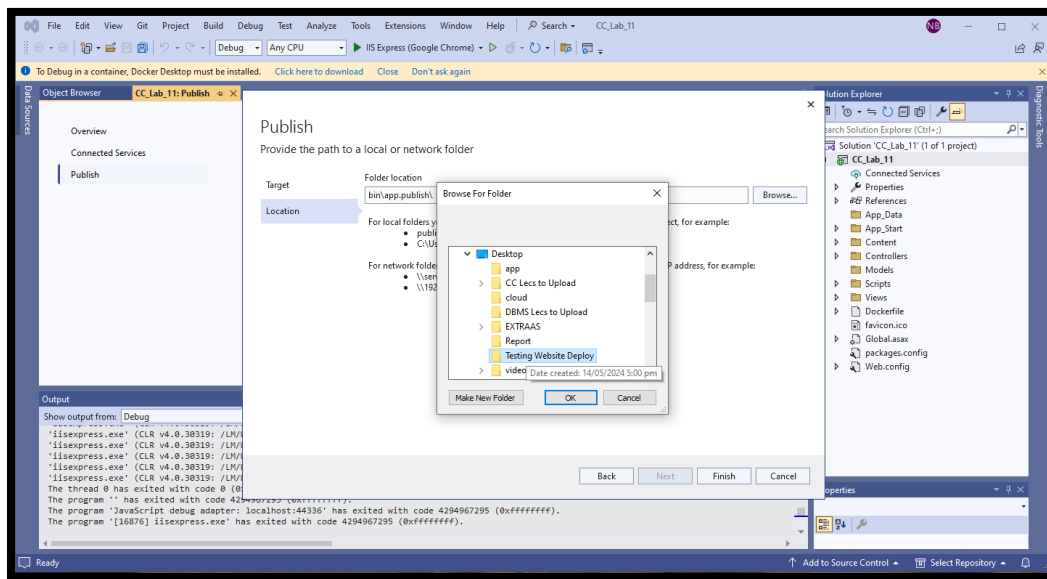
Step 1: First open your ASP.Net web application in Visual Studio. Now in the top we have the option Build. Click on that and under Build you will find Publish Website.



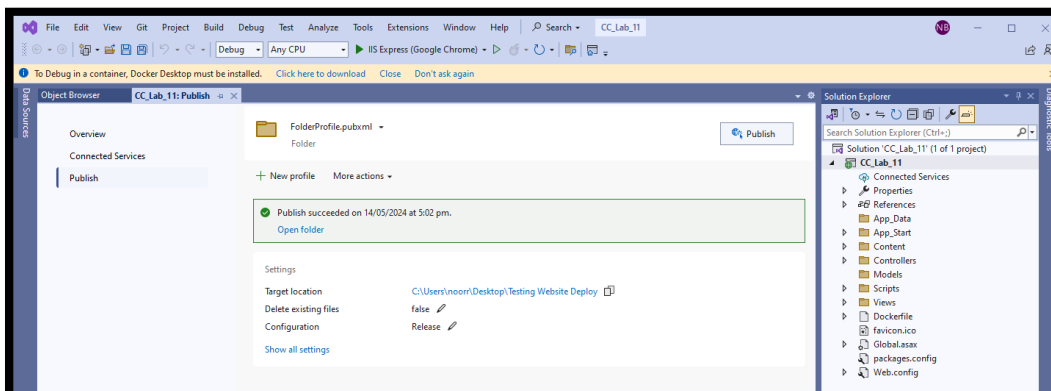
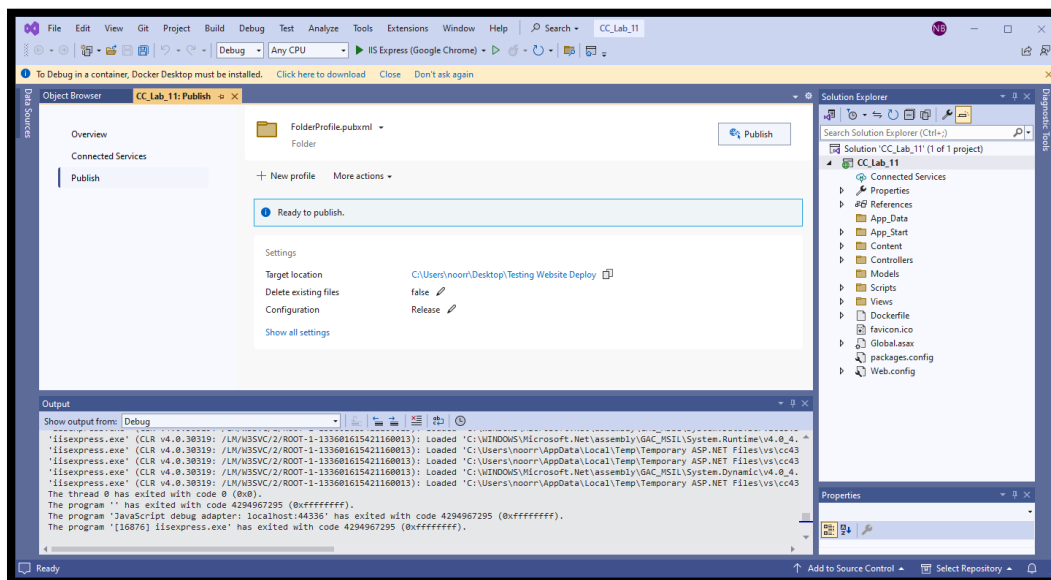
Step 2: The new window will open that will ask for the method of publishing. For Publish method select Folder and then click Next.



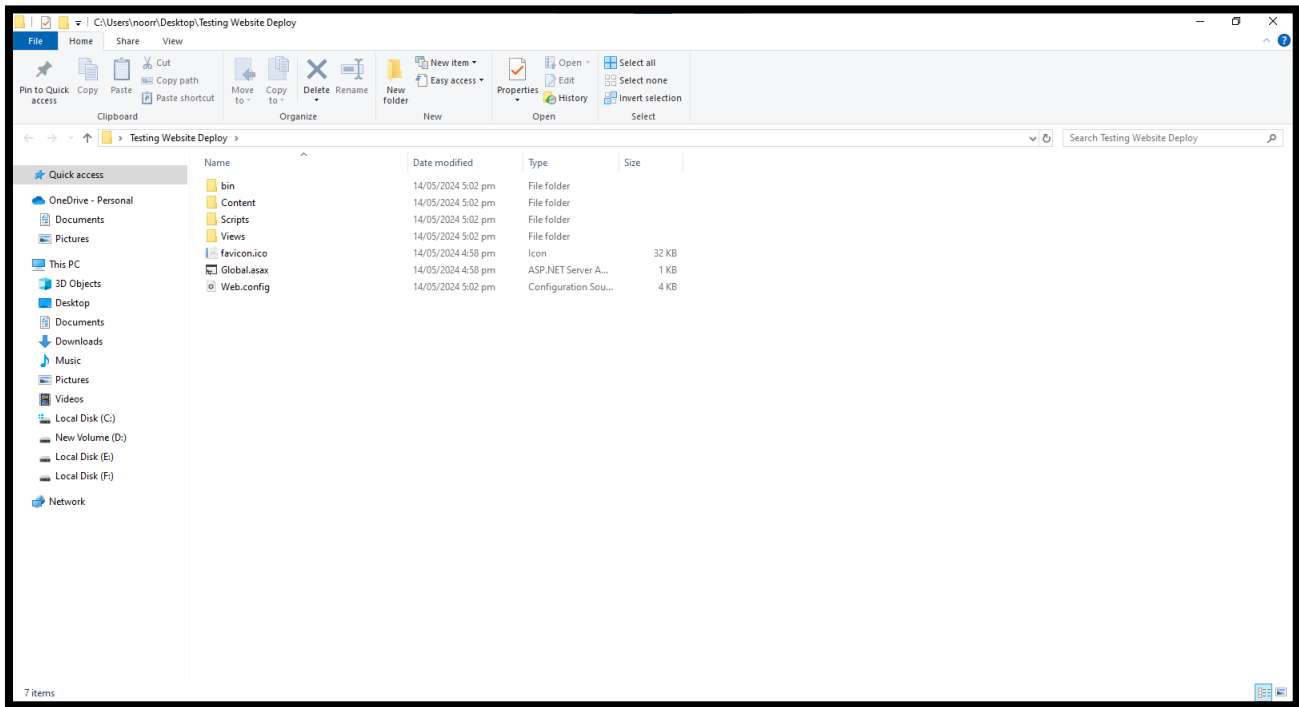
Step 3: For Target location specify where to save your web application DLL file.



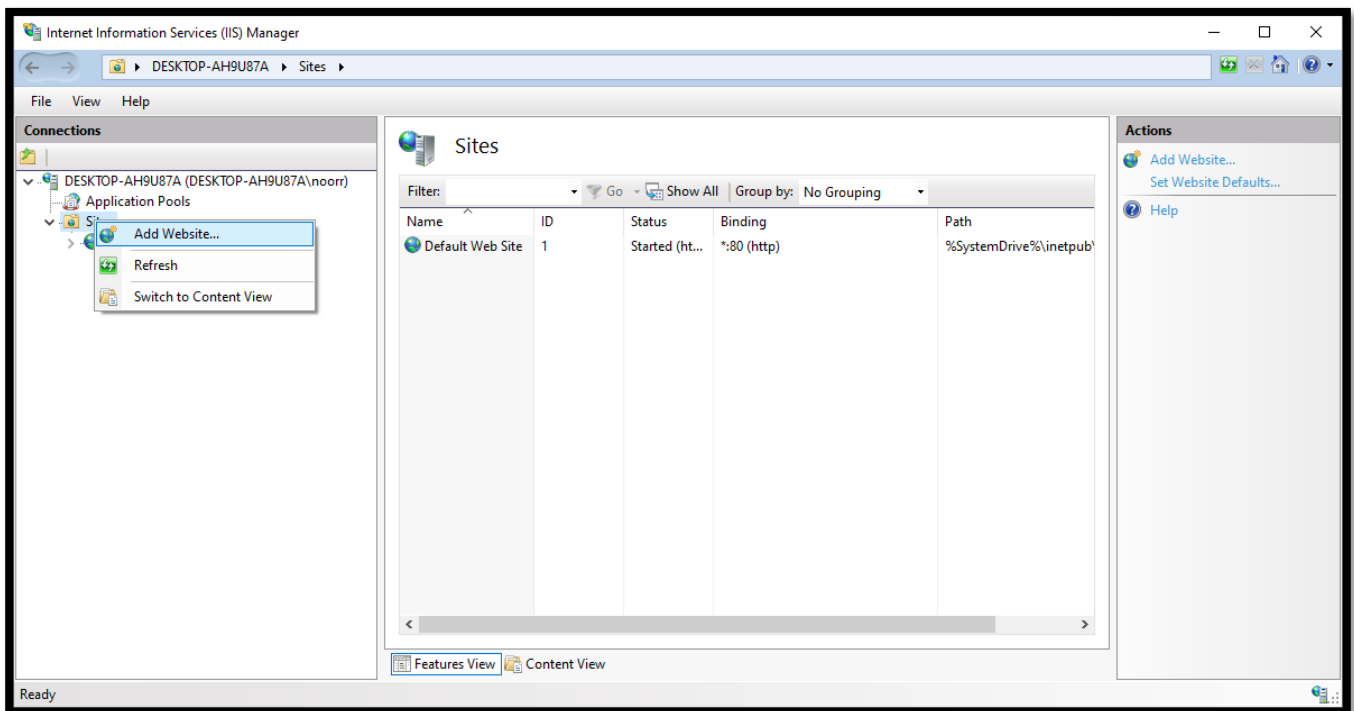
Step 4: Now click on publish.



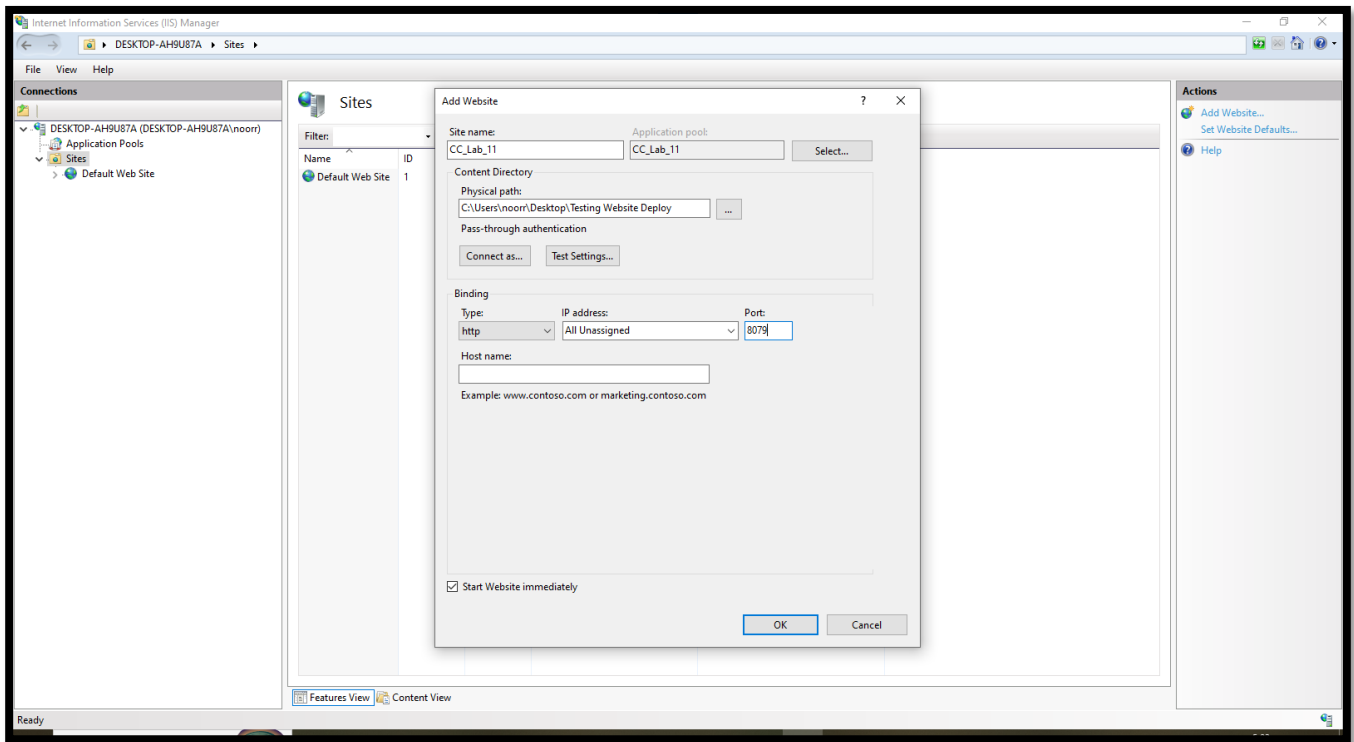
Step 5: After publishing the website, go to the target folder and in that location, you will see your web application DLL file.



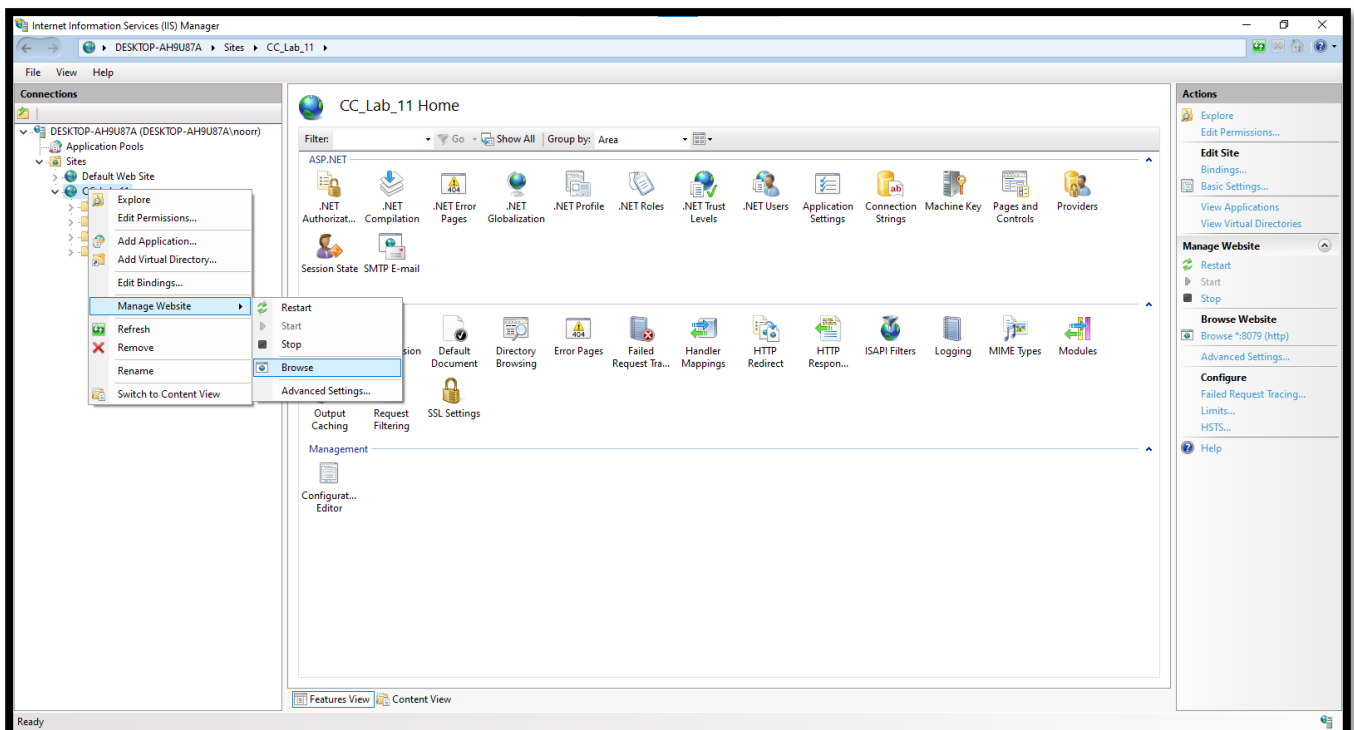
Step 6: Now open IIS manager. (Type **inetmgr** in the Run command). Then right-click on Sites and Add Website.

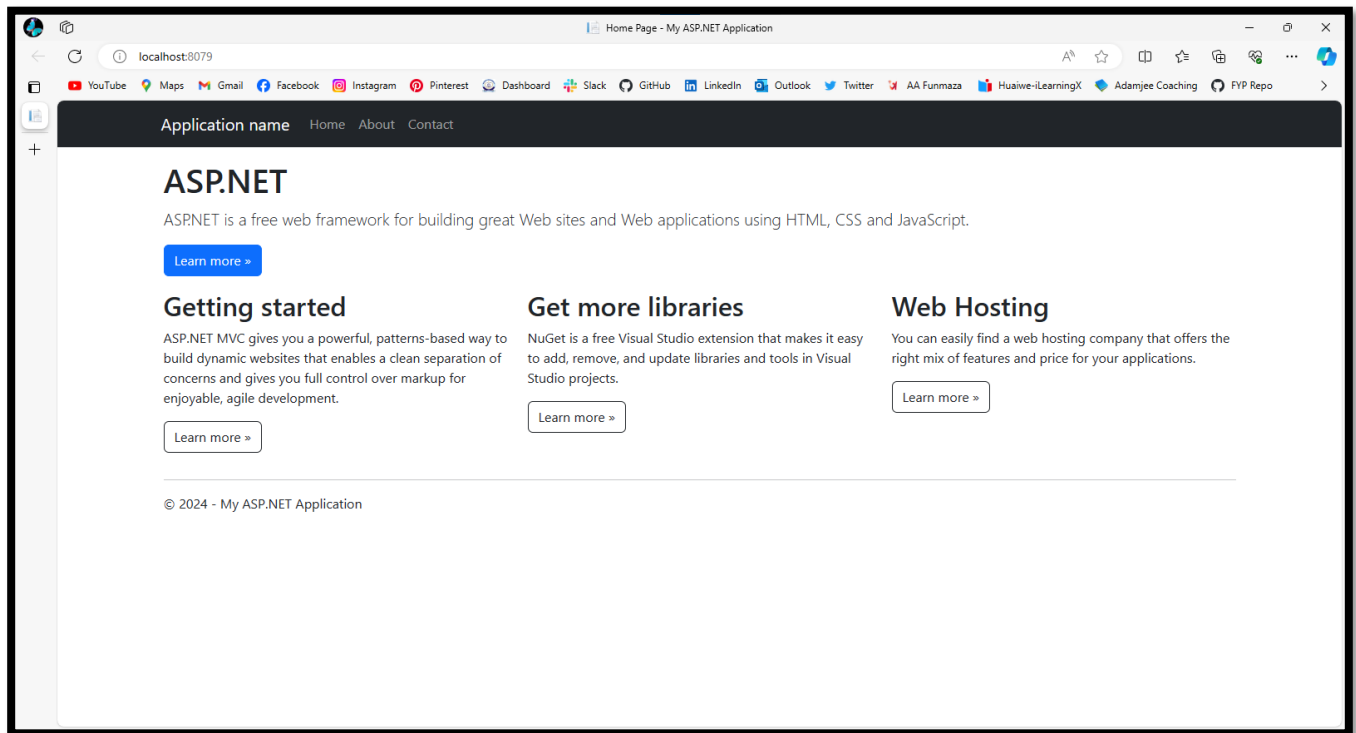


Step 7: Enter the required information like website name, path, port etc.



Step 8: Now right-click on your application and browse. From there click browse so that your website/web app will be open on your defined port.



Web site on port 8079:**2. Time Boxing**

Activity Name	Activity Time	Total Time
Login Systems + Setting up Visual studio Environment	3 mints + 5 mints	8 mints
Walk through Theory & Tasks	60 mints	60 mints
Implement Tasks	80 mints	80 mints
Evaluation Time	30 mints	30 mints
	Total Duration	178 mints

3. Objectives

After completing this lab the student should be able to:

- Grasp the essence of deploying a website on IIS and its crucial role in hosting web applications.
- Deploy a website on IIS using ASP.NET Core:

4. Lab Tasks/Practical Work

- Deploy a simple blog website on Internet Information Services (IIS) for hosting.
- Develop a web application using ASP.NET Core that enables CRUD (Create, Read, Update, and Delete) operations for managing employee records. Deploy the application on Internet Information Services (IIS) for hosting.