

Worksheet-4

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Branch: MCA CC&DevOps
Semester: 2
Subject Name: Cloud Computing Lab

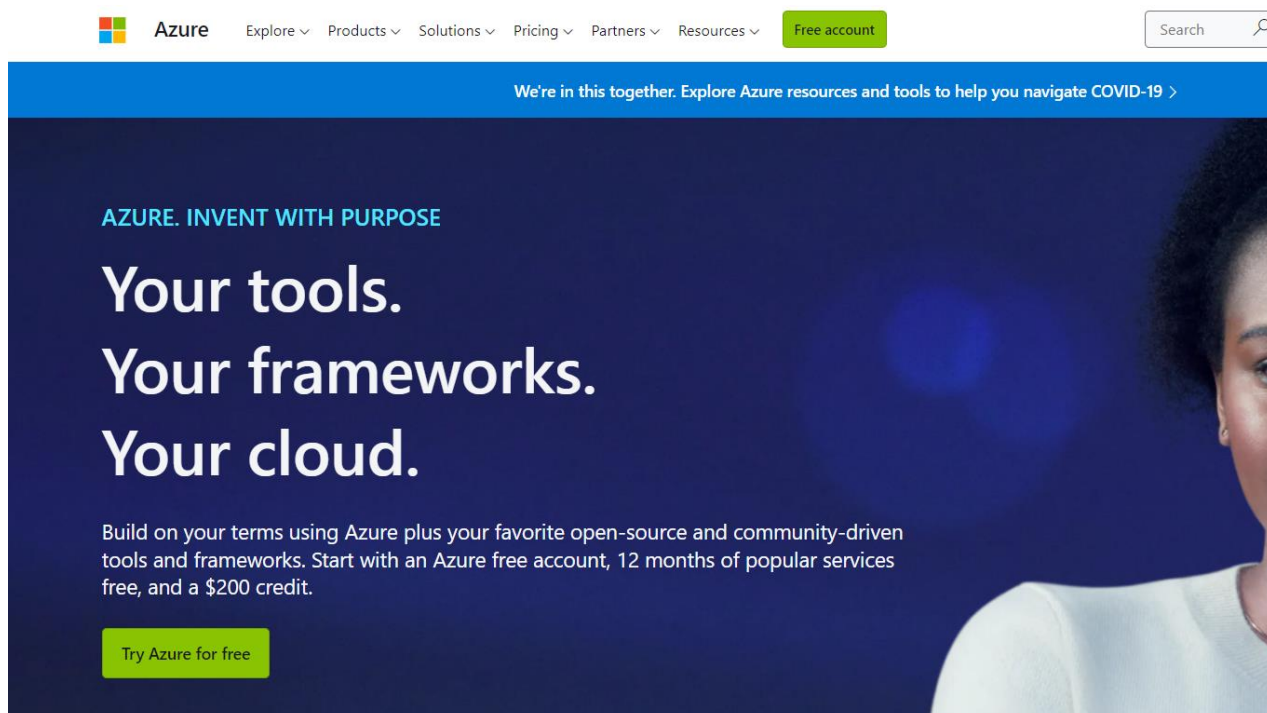
UID:21MCC2024
Section/Group: A
Date of Performance:13.03.2022
Subject Code: 22E-21CAP-686_21MCD-1_A

1. **Aim/Overview of the practical:** Create Web App in Azure and publish using Github
2. **Task to be done:**

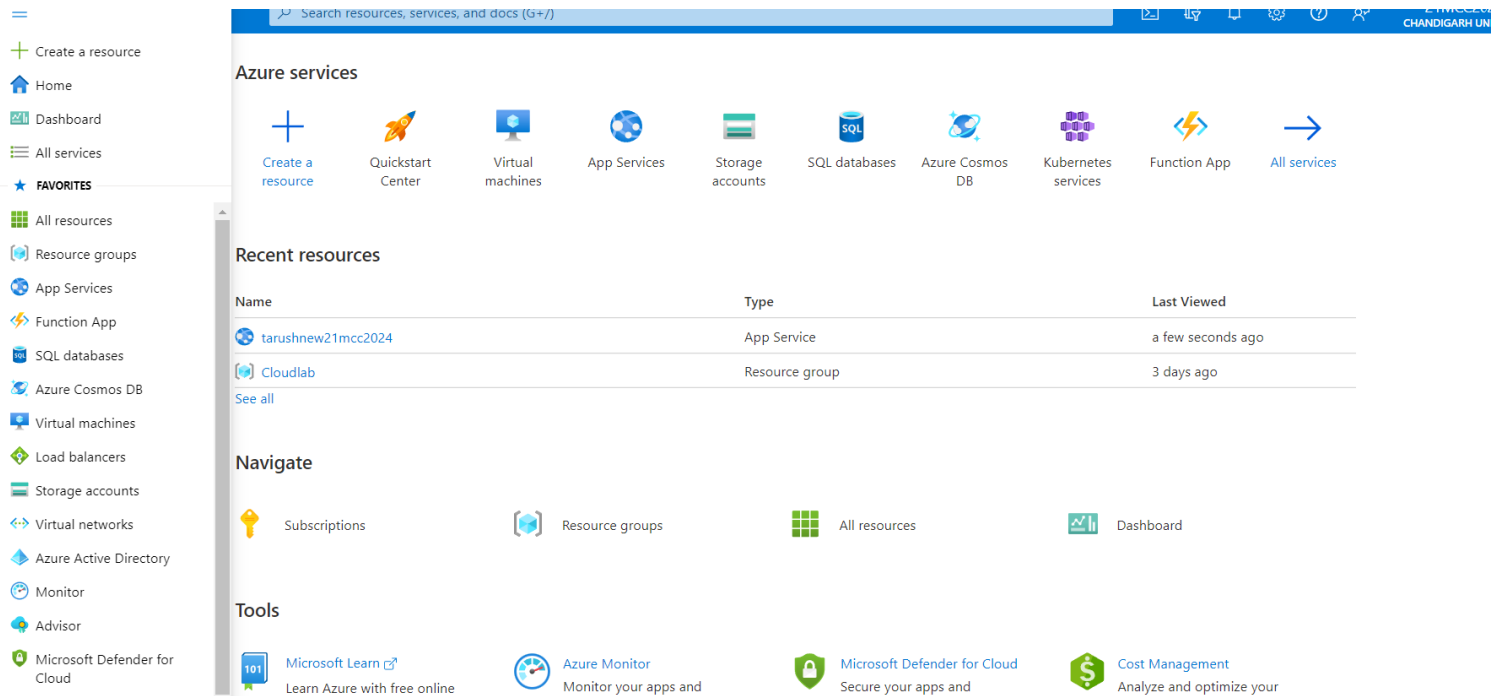
Create Web App in Azure and publish using Github

Sol1.)

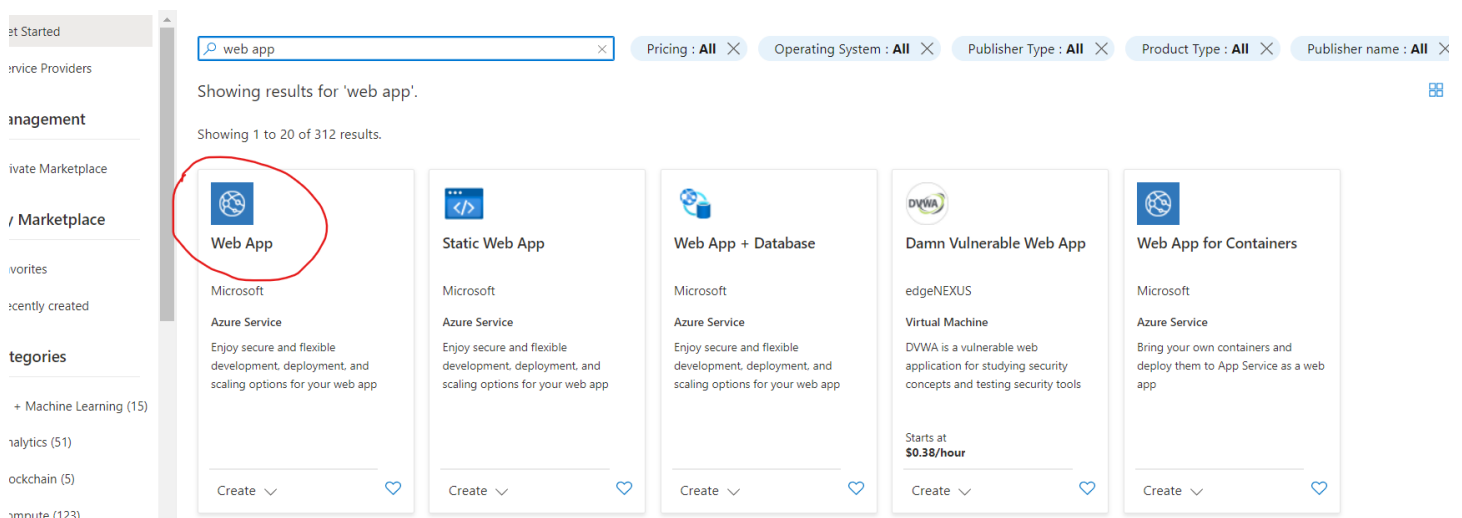
STEP1. Firstly we have to go the azure platform the link is “**azure.com**” and click on the “**Try Azure for free**” and then we do the login with our mail id and enter necessary details that asked by the platform .



STEP 2. After done with login., we see the full dashboard of azure platform and we see the there is various type of services provides by the this platform .



STEP 3. Now we have click on create a resource button and then we get search bar and then we type “**web app**” in that search box and then press enter and then we get this type of interface. We have to click on this “**marked**” icon.



STEP 4. After clicking on “web app” option , we get the new interface and then there is “create” button on that page . After that clicking on that “create” button and we get this interface.

[Basics](#) [Deployment](#) [Monitoring](#) [Tags](#) [Review + create](#)

App Service Web Apps lets you quickly build, deploy, and scale enterprise-grade web, mobile, and API apps running on any platform. Meet rigorous performance, scalability, security and compliance requirements while using a fully managed platform to perform infrastructure maintenance. [Learn more](#)

Project Details

Select a subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription *

Azure for Students

Resource Group *

(New) Resource group

[Create new](#)

Instance Details

Need a database? [Try the new Web + Database experience.](#)

Name *

Web App name.
.azurewebsites.net

Publish *

☒ Code ☐ Docker Container ☐ Static Web App

Runtime stack *

Select a runtime stack

[Review + create](#)

< Previous

Next : Deployment >

STEP5. In That there is resource group in which we add the group in which under our website is listed . we have to click on create new button and enter the resource group name as your wish .

Resource Group *





Cloudlab

[Create new](#)

STEP 6. Then in the next section we have to give the website name according to your requirement as I give “**tarush21mcc2024**” . Then there is a run time stack option in which we have to select the “**.NET CORE 3.1 (LTS)**” . Then we have an option of region in this we have to select the “**Central India Option**” .

Instance Details

Need a database? [Try the new Web + Database experience.](#)

Name *	<input type="text" value="tarush21mcc2024"/> 
	.azurewebsites.net
Publish *	<input checked="" type="radio"/> Code <input type="radio"/> Docker Container <input type="radio"/> Static Web App
Runtime stack *	<input type="text" value=".NET Core 3.1 (LTS)"/> 
Operating System *	<input type="radio"/> Linux <input checked="" type="radio"/> Windows
Region *	<input type="text" value="Central India"/> 
	 Not finding your App Service Plan? Try a different region or select your App Service Environment.

STEP 7. After that Click on button “**Review & Create**” and then we get new interface and we check again the settings what we do . after ensuring everything is good we click on button “**create**”. and if we have to change the setting click on the “**previous**” button.

Continuous deployment	Not enabled / Set up after app creation
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Create	< Previous	Next >	Download a template for automation
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STEP8. After clicking on “**create**” button we have to wait for some time . because system take some time for doing deployment . After deployment complete we get this type of message .

✓ Your deployment is complete



Deployment name: Microsoft.Web-WebApp-Portal-6a7ff53f-8fe6
Subscription: [Azure for Students](#)
Resource group: [Cloudlab](#)

Start time: 2/24/2022, 11:41:48 PM

Correlation ID: eefbeee8-0465-4837-bd30-601214b688ef

⌵ Deployment details [\(Download\)](#)

⌶ Next steps

[Manage deployments for your app.](#) Recommended

[Protect your app with authentication.](#) Recommended

[Go to resource](#)

STEP 9. Then go the “**go to resources**” button after clicking that button .you get again the new interface in which there full detail of hosting you get from azure as like status , location ,website URL , resource group.

[Browse](#) [Stop](#) [Swap](#) [Restart](#) [Delete](#) | [Refresh](#) [Get publish profile](#) [Reset publish profile](#) [Share to mobile](#) [Send us your feedback](#)

[Click here to access our Quickstart guide for deploying code to your app](#) →

⌶ Essentials

JSON

Resource group [\(move\)](#) : [Cloudlab](#)

URL : <https://tarush21mcc2024.azurewebsites.net>

Status : Running

App Service Plan : [ASP-Cloudlab-ad85 \(F1: Free\)](#)

Location : Central India

FTP/deployment username : No FTP/deployment user set

Subscription [\(move\)](#) : [Azure for Students](#)

FTP hostname : ftp://waws-prod-pn1-017.ftp.azurewebsites.windows.net/site/wv

Subscription ID : ef2b63c2-bd8d-4ad8-9d63-8dcd2472462a

FTPS hostname : ftps://waws-prod-pn1-017.ftp.azurewebsites.windows.net/site/w

Tags [\(edit\)](#) : [Click here to add tags](#)

STEP10. After that now we firstly create the github account and after making that create the repository in the github



tarush18 / mcc2022 Public

<> Code Issues Pull requests Actions Projects Wiki Security Insights

main

1 branch 0 tags

Go to file

tarush18 Initial commit

README.md

Initial commit

README.md

STEP11. Now we have to add the index.html in this repository.

main

1 branch 0 tags

Go to file

Add file

Code

tarush18 Add files via upload

00ce145 now 2 commits

README.md

Initial commit

4 minutes ago

index.html

Add files via upload

now

README.md

STEP12. Now we have to connect github with azure in deployment center



Now in select code source we choose the external git

External Git

If your code is not on GitHub or BitBucket, you can use this option to manually sync your code from the repository. When you sync your repository, App Service will pull your code, build your application, and deploy it to your web app.

Repository*

Branch*

Repository Type ☒ Public ☐ Private

Now we paste the link of repository that show in url bar and in branch we write main and now save the file ..

After that you have to select save

Essentials		JSON View	
Resource group (move)	: Cloudlab	URL	: https://tarush21mcc2024.azurewebsites.net
Status	: Stopped	Health Check	: Not Configured
Location	: Central India	App Service Plan	: ASP-Cloudlab-8ae3 (F1: Free)
Subscription (move)	: Azure for Students	External Repository Project	: https://github.com/tarush18/mcc2022
Subscription ID	: ef2b63c2-bd8d-4ad8-9d63-8dcd2472462a		
Tags (edit)	: Click here to add tags		



	Month	Rent	Utilities		Groceries	Eating Out	Entertainment
Fall	June	\$1500	\$100	\$50	\$350	\$100	\$50
	July	\$1500	\$100	\$50	\$350	\$100	\$50
	August	\$1500	\$100	\$50	\$350	\$100	\$50

Learning outcomes (What I have learnt):

1. Learn about how to deploy the website on azure on github

Evaluation Grid:

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.	Worksheet		10
2.	Demonstration/Performance /Pre Lab Quiz		5
3.	Post Lab Quiz		5