Implement Azure Functions

Introduction:

In this walkthrough, we will create a Function App to display a Hello message when there is an HTTP request.

Task 1: Create a Function app

In this task, we will create a Function app.

1- Sign into the Azure portal https://portal.azure.com at the following link using the username and password provided by the instructor.

2- In the Search resources, services, and docs text box at the top of the portal, search for and select Function App and then, from the Function App blade, click + Add, + Create, + New.

3- On the Basic tab of the Function App blade, specify the following settings (replace xxxx in the name of the function with letters and digits such that the name is globally unique and leave all other settings with their default values):

Settings	Value
Subscription	CloudShare1
Resource group	myRGFunction-XC0MT6AIS9
Function App name	function-xxxx
Publish	Code
Runtime stack	.NET
Version	3.1
Region	East US

4- Click Review + Create and, after successful validation, click Create to begin provisioning and deploying your new Azure Function App.

5- Wait for the notification that the resource has been created.

6- Navigate back to the Function App blade, click Refresh and verify that the newly created function app has the Running status.

Task 2: Create a HTTP triggered function and test

In this task, we will use the Webhook + API function to display a message when there is an HTTP request.
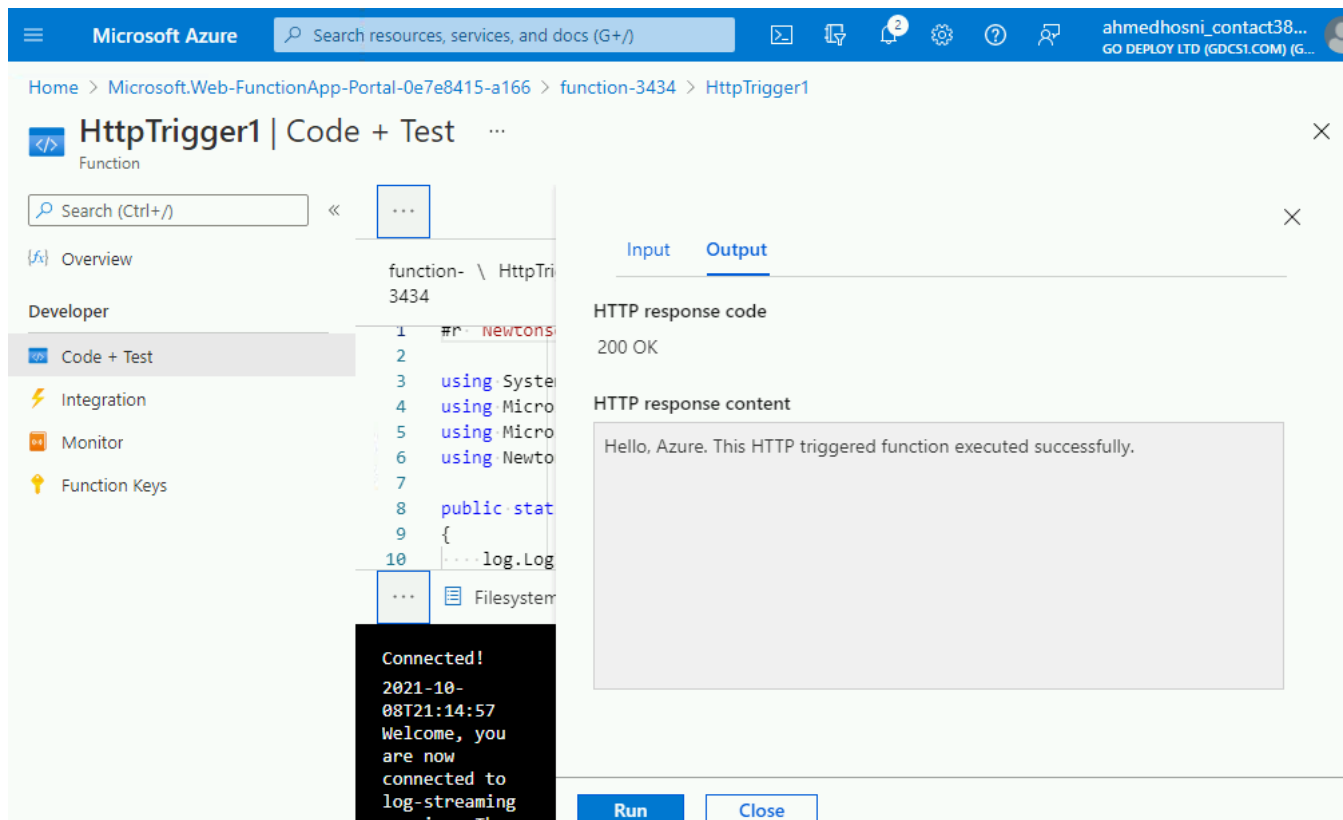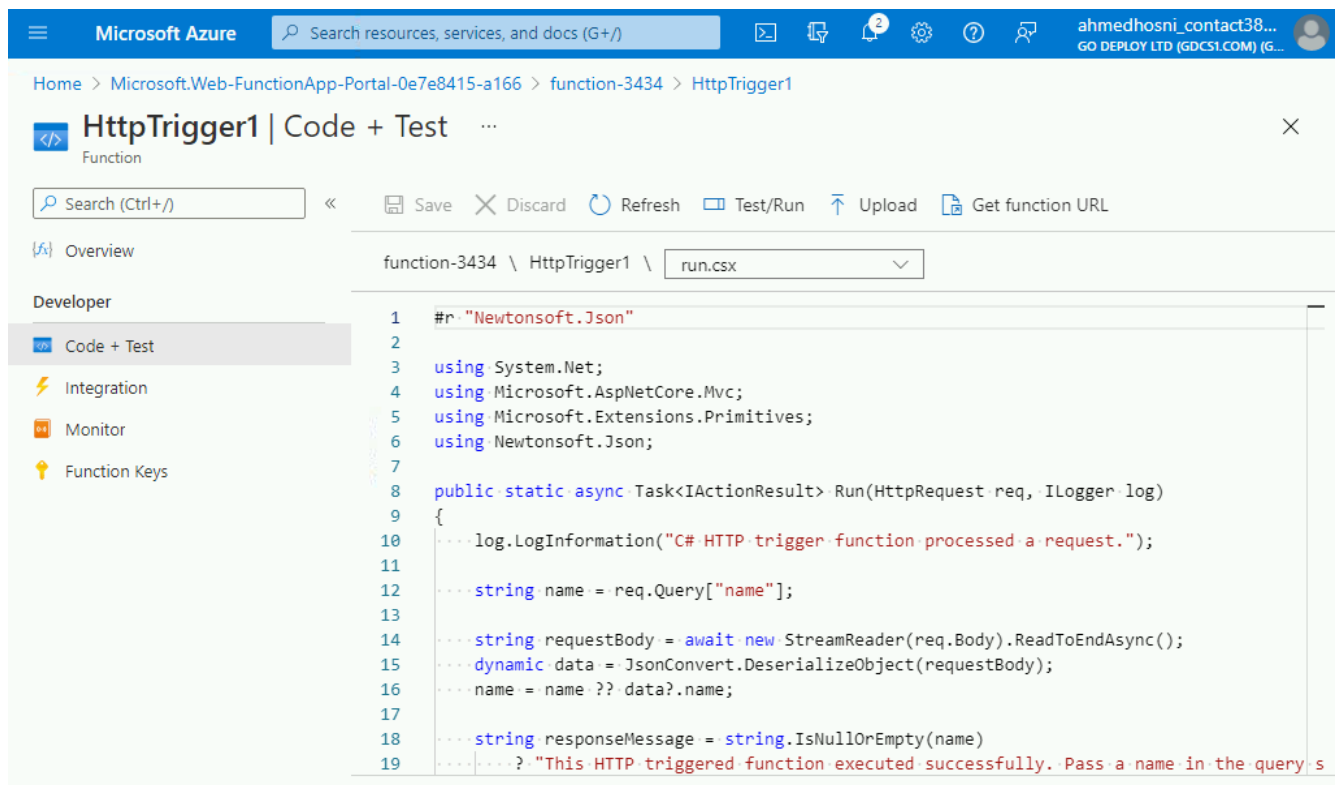
1- On the Function App blade, click the newly created function app.

2- On the function app blade, in the Functions section, click Functions and then click + Create.

3- An Add function pop-up window will appear on the right. In the Select a template section click HTTP trigger. Click Create

4- On the HttpTrigger1 blade, in the Developer section, click Code + Test.

5- On the HttpTrigger1 | Code + Test blade, review the auto-generated code and note that the code is designed to run an HTTP request and log information. Also, notice the function returns a Hello message with a name.

6- Click Get function URL from the top section of the function editor.

7- Ensure that the value in the Key drop-down list is set to default and click Copy to copy the function URL.

8- Open a new browser tab and paste the copied function URL into your web browser's address bar. When the page is requested the function will run. Notice the returned message stating that the function requires a name in the request body.

9- Append &name=yourname to the end of the URL.

Note: For example, if your name is Cindy, the final URL will resemble the following: https://azfuncxxx.azurewebsites.net/api/HttpTrigger1?code=X9xx9999xXXXXX9x9xxxXX==&name=cindy

10- When your function runs, every invocation is traced. To view the traces in Azure portal, return to the HttpTrigger1 | Code + Test blade and click Monitor.

Congratulations! You have created a Function App to display a Hello message when there is an HTTP request.