UNIVERSITY PARTNER

UNIVERSITY OF WOLVERHAMPTON

HERALD COLLEGE KATHMANDU

DISTRIBUTE AND CLOUD SYSTEMS PROGRAMMING (5CS022)

WEEK 5 WORKSHOP

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Group	: L5CG12
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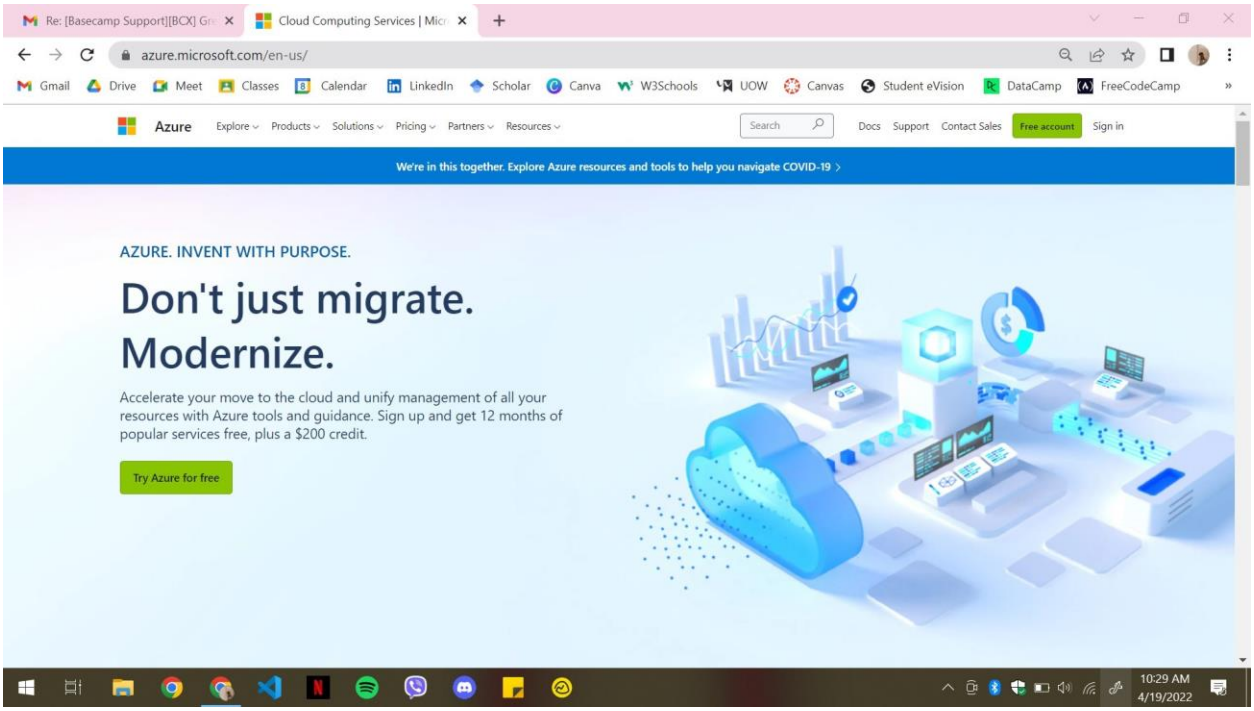
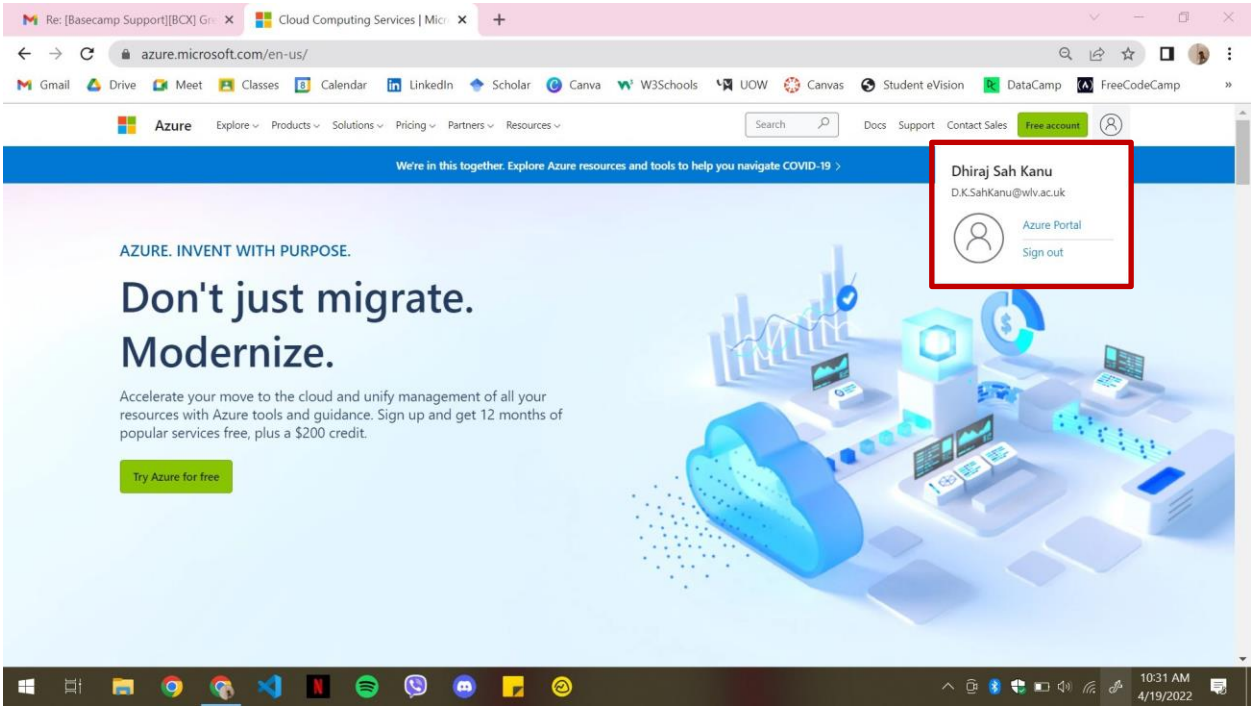
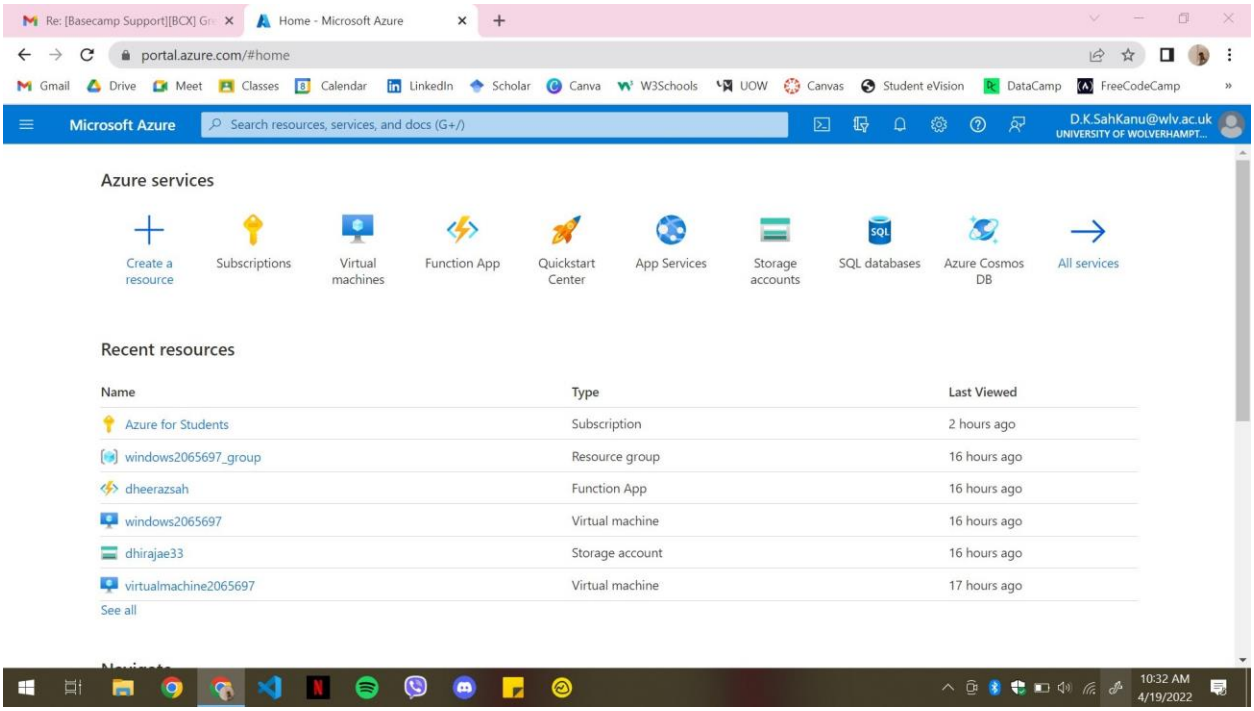
Step 1: Follow the link https://azure.microsoft.com/ or search azure Microsoft in your web browser.



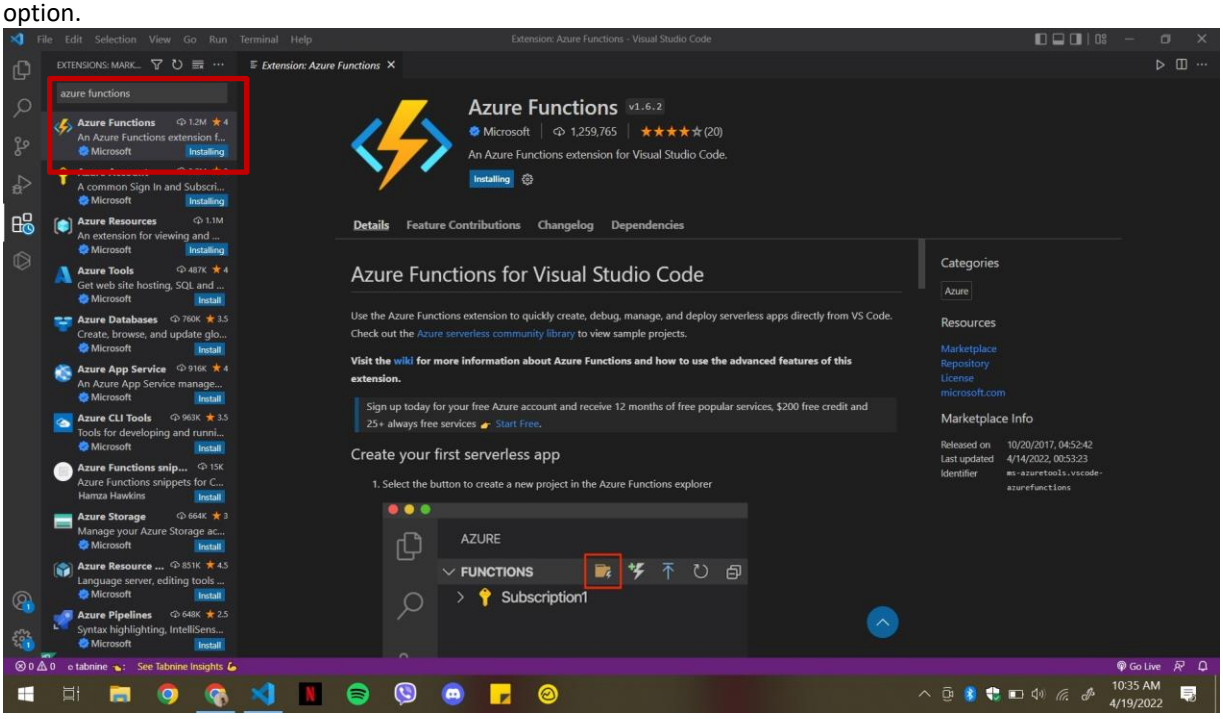
Step 2: Login into your azure account using university email id, so that you could use azure for students for free. I have already logged in using my university email.



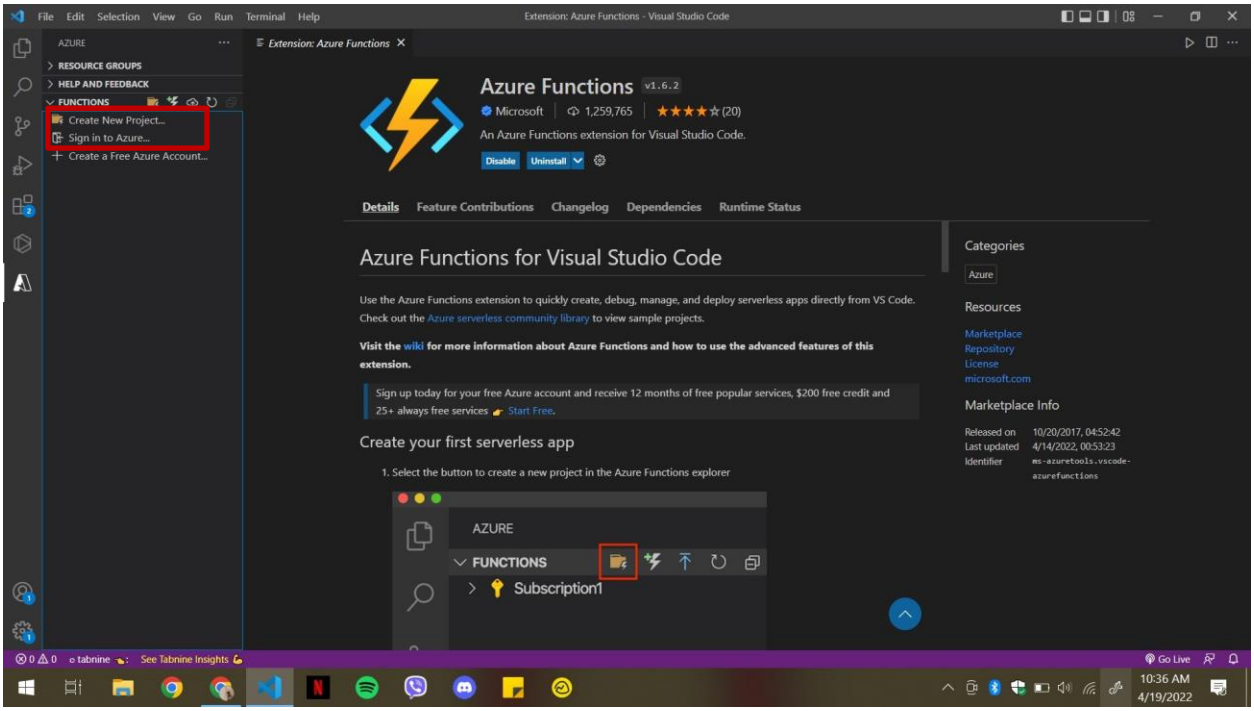
Step 3: After signing in to azure portal successfully, you will be redirected to the Azure Portal page. This is where we'll manage and track things like servers, subscriptions, virtual machines, and so on. You can see the recent resources which I have been using.



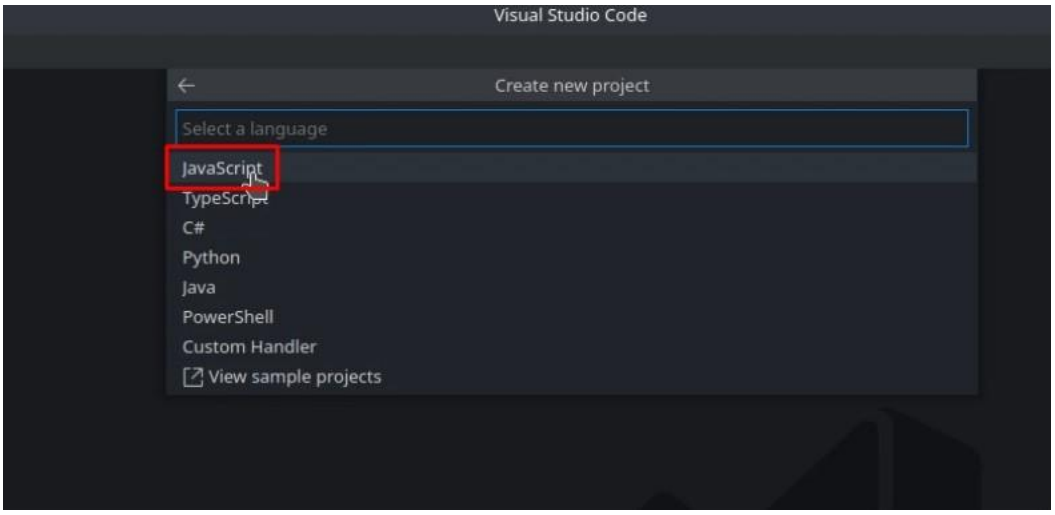
Step 4: Now to write, test, and deploy functions to Azure, azure functions extensions must be installed in Visual Studio Code. On the left side of Visual Studio Code, click on the cube-like icon. Then install the azure functions option.



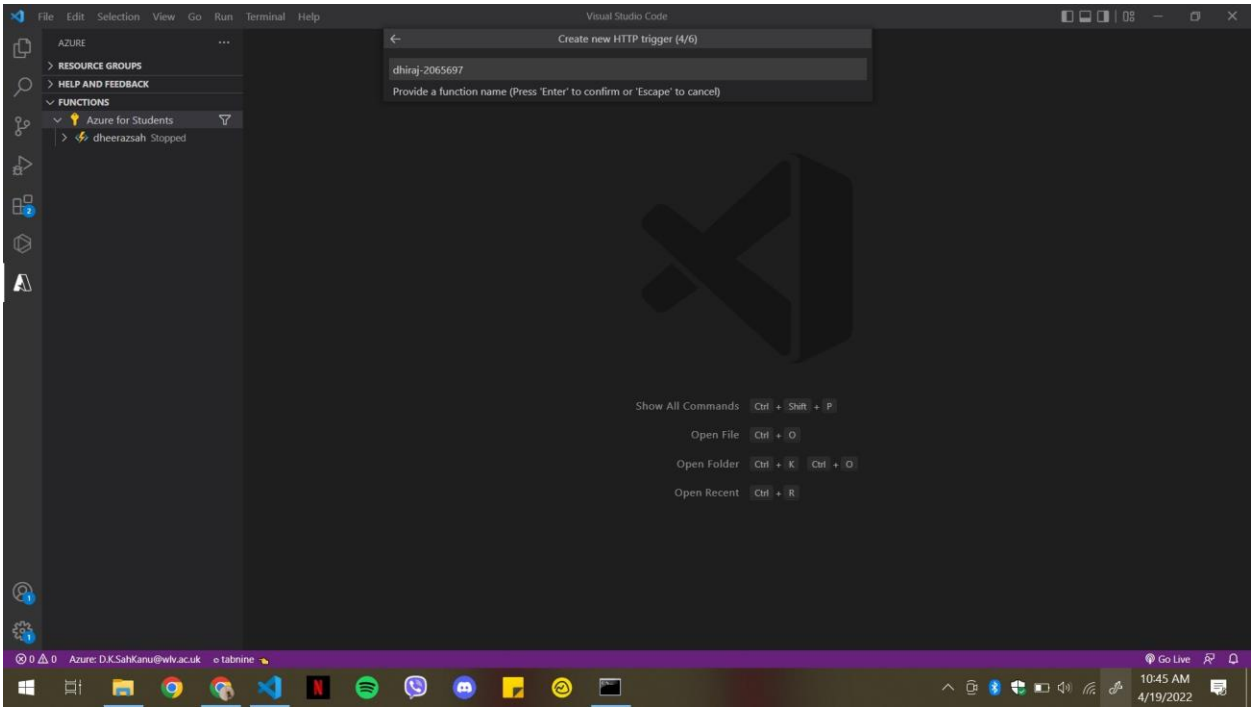
Step 5: Now, we will have to click on azure logo and click on sign in. I have already signed into my account here. You will be re-directed to Microsoft login page where you need to log in with your azure account. After signing in you need to click on create new project.



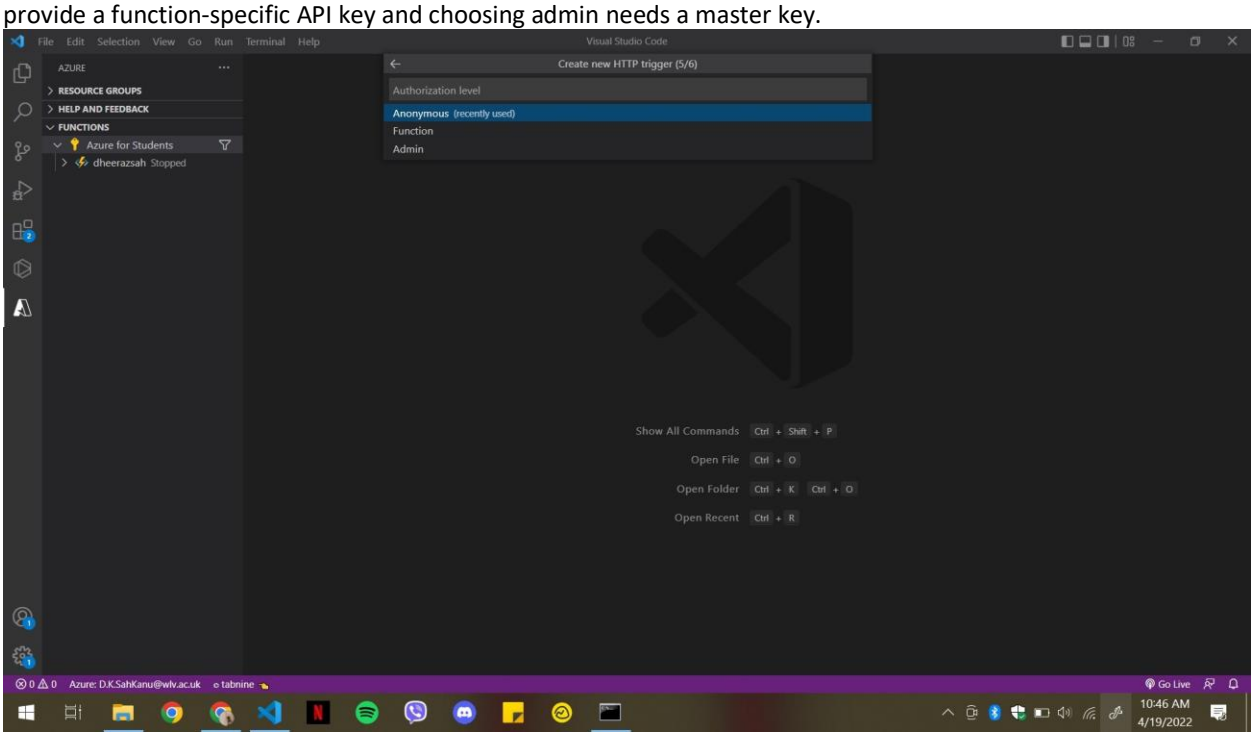
Step 6: Create a new project in the suitable directory, then select a language to create a function.



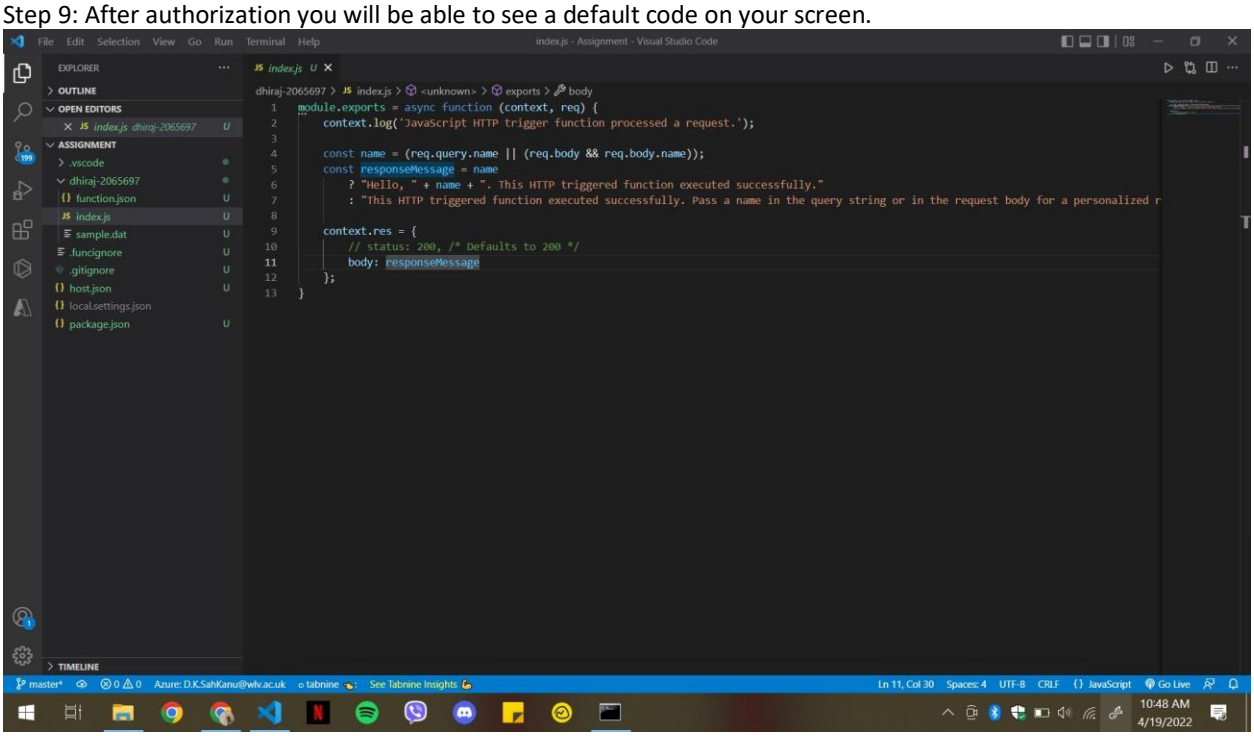
Step 7: Now you have to create a new trigger, you will see the list of triggers. For now, choose the HTTP Trigger. Trigger helps to run a function, I have created a trigger named dhiraj-2065697 already.



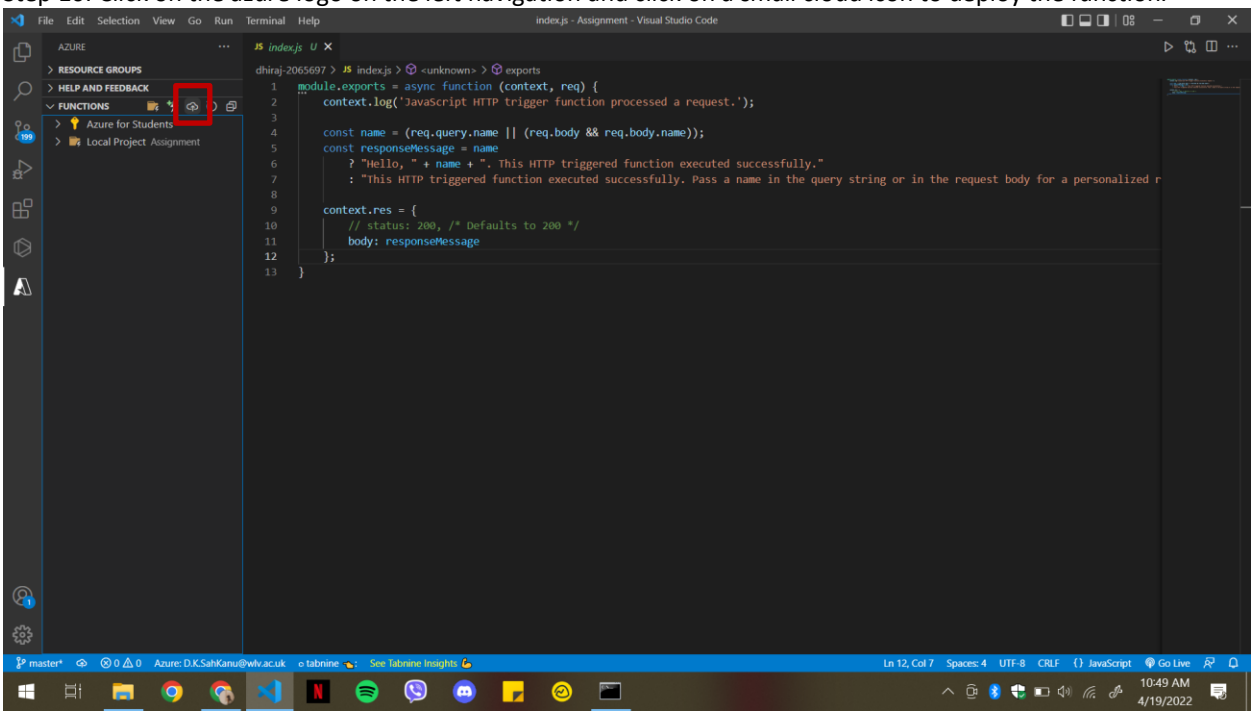
Step 8: Now you have to choose an authorization level. The authorization level must be chosen. The function's endpoint has to be accessed. If you choose anonymous API key is not needed, if you choose function, you must provide a function-specific API key and choosing admin needs a master key.



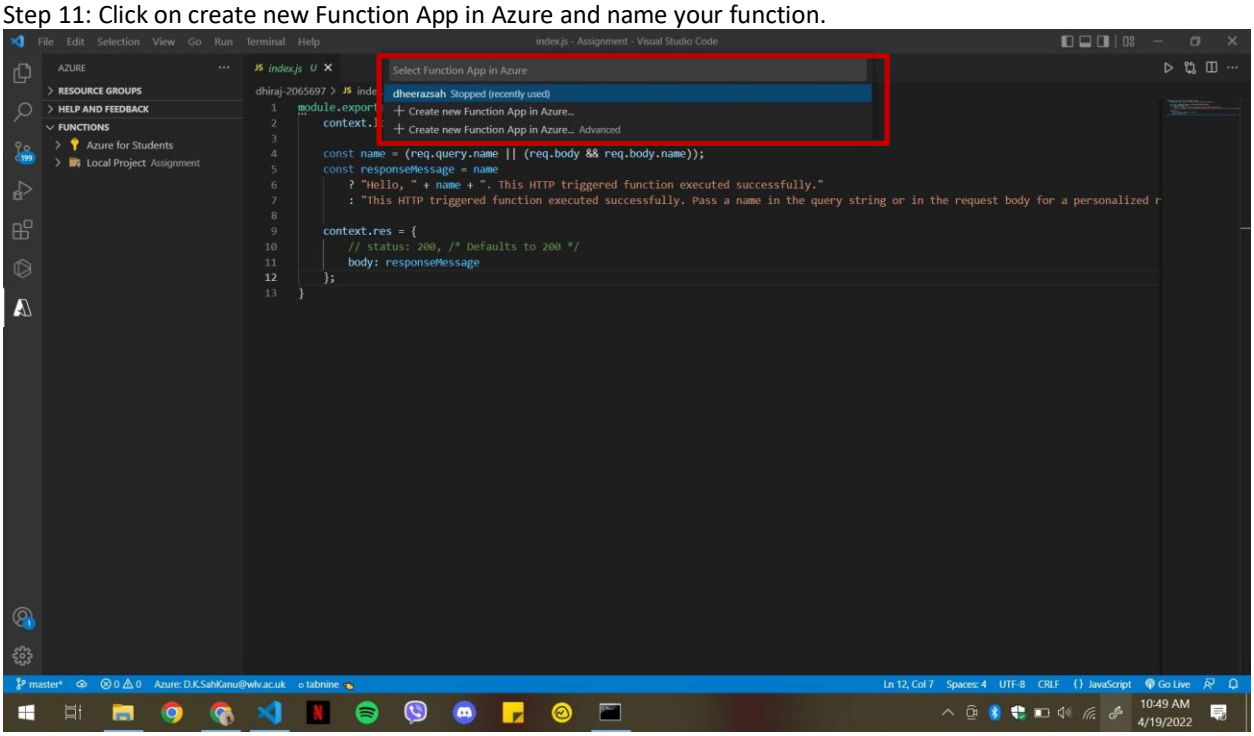
Step 9: After authorization you will be able to see a default code on your screen.

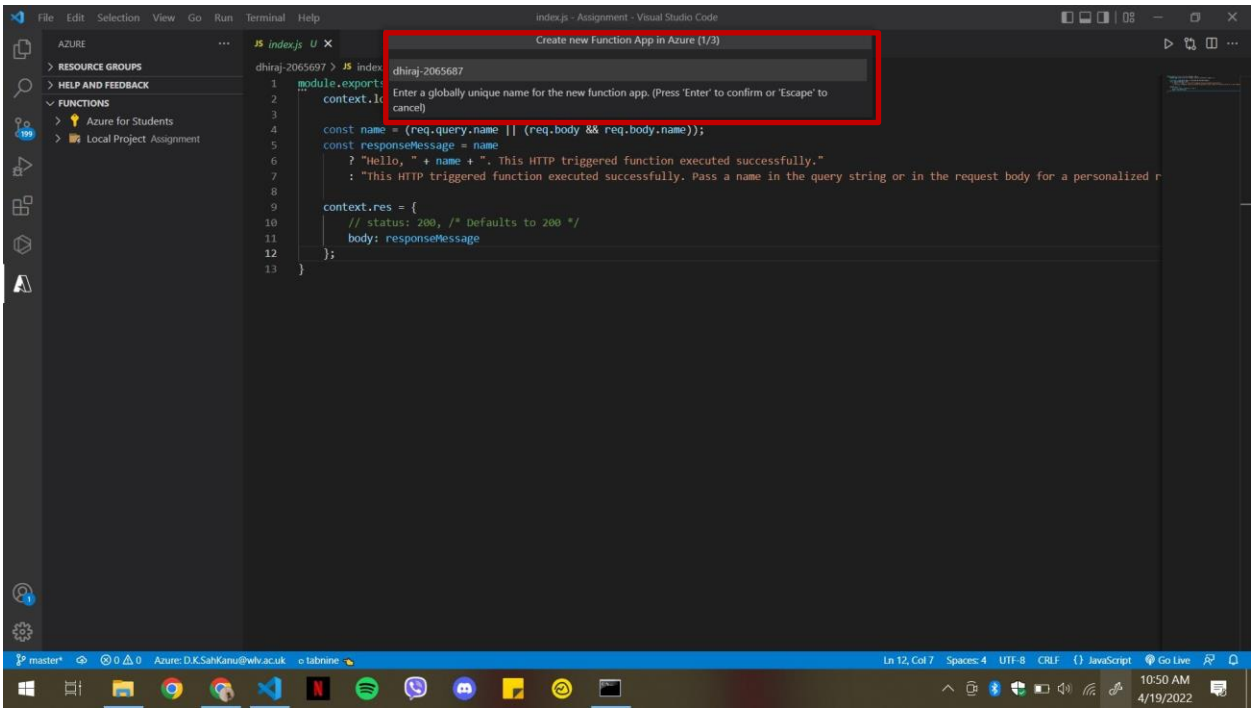


Step 10: Click on the azure logo on the left navigation and click on a small cloud icon to deploy the function.

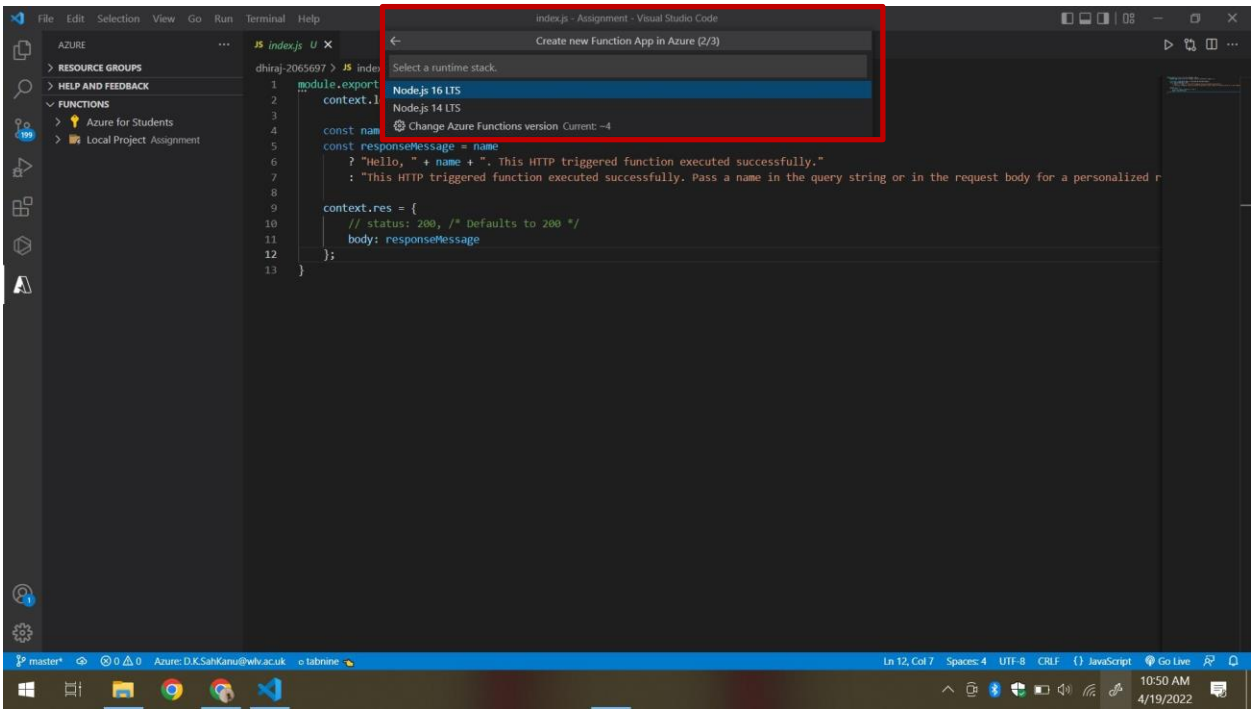


Step 11: Click on create new Function App in Azure and name your function.

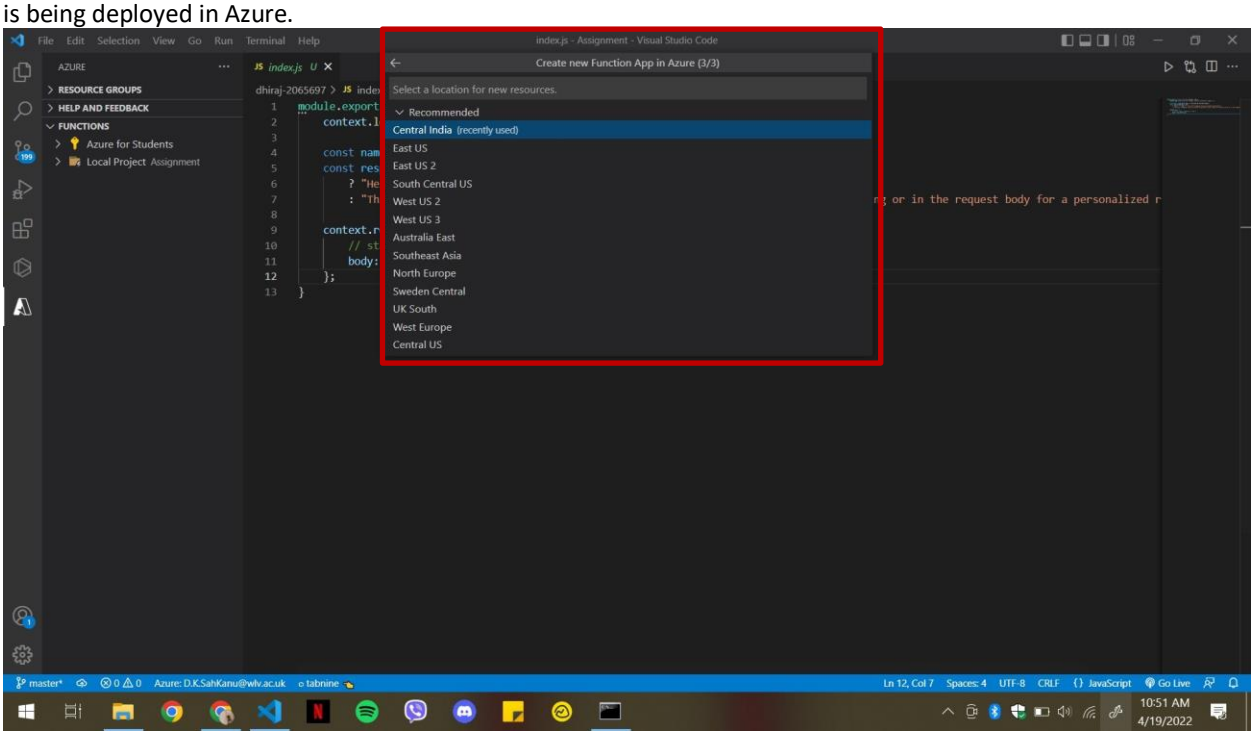




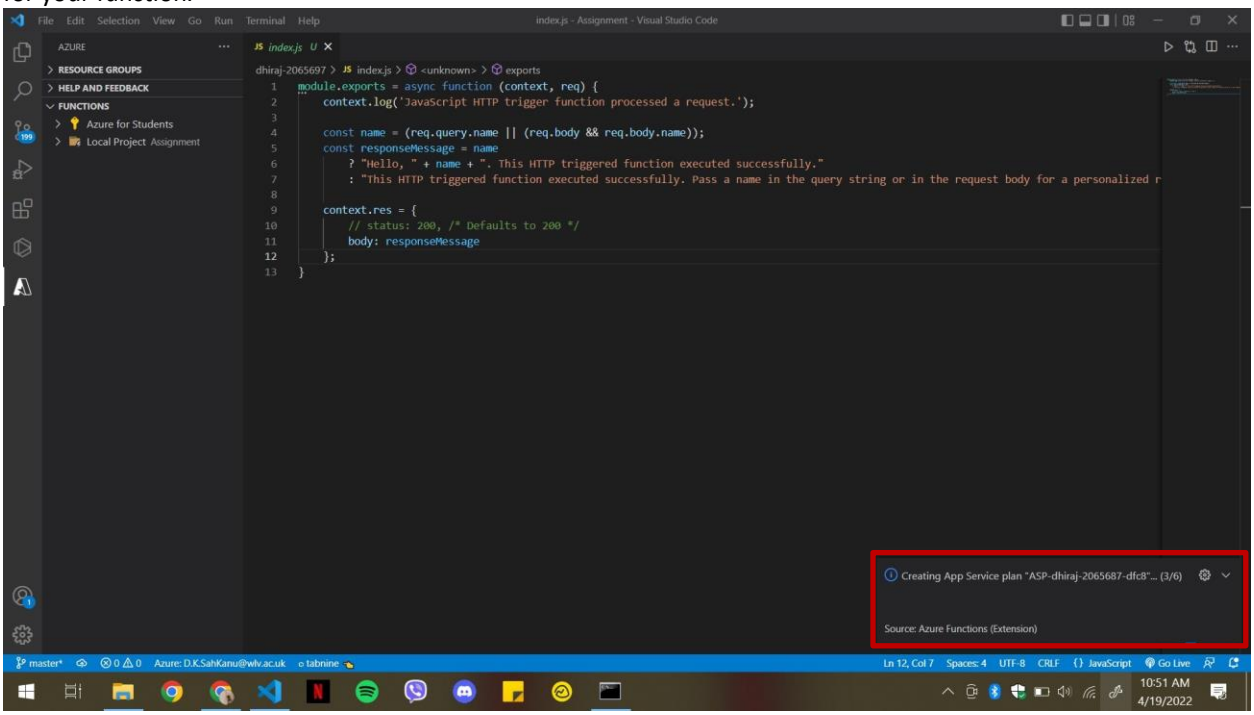
Step 12: Now select node.js 16 LTS as the runtime stack. The run time stack is a way for storing the program and handling local non-static variables.



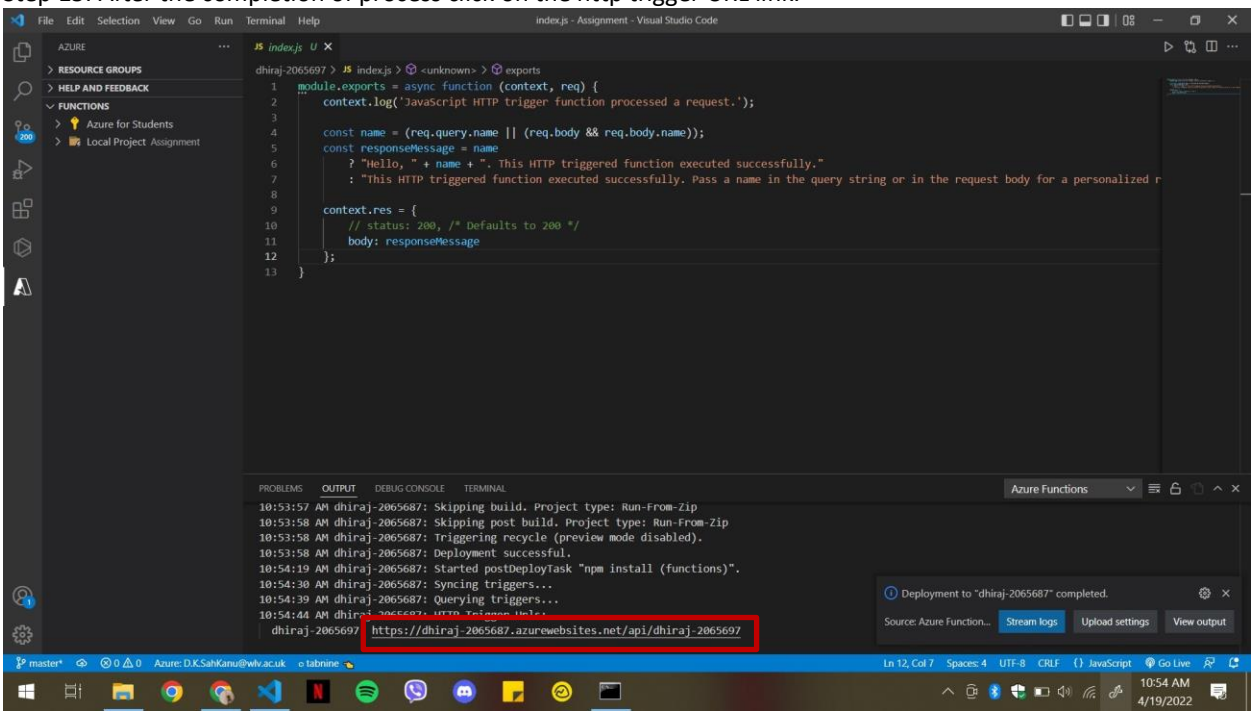
Step 13: Now choose a location, here I have chosen Central India. This will create your function in Central India and is being deployed in Azure.



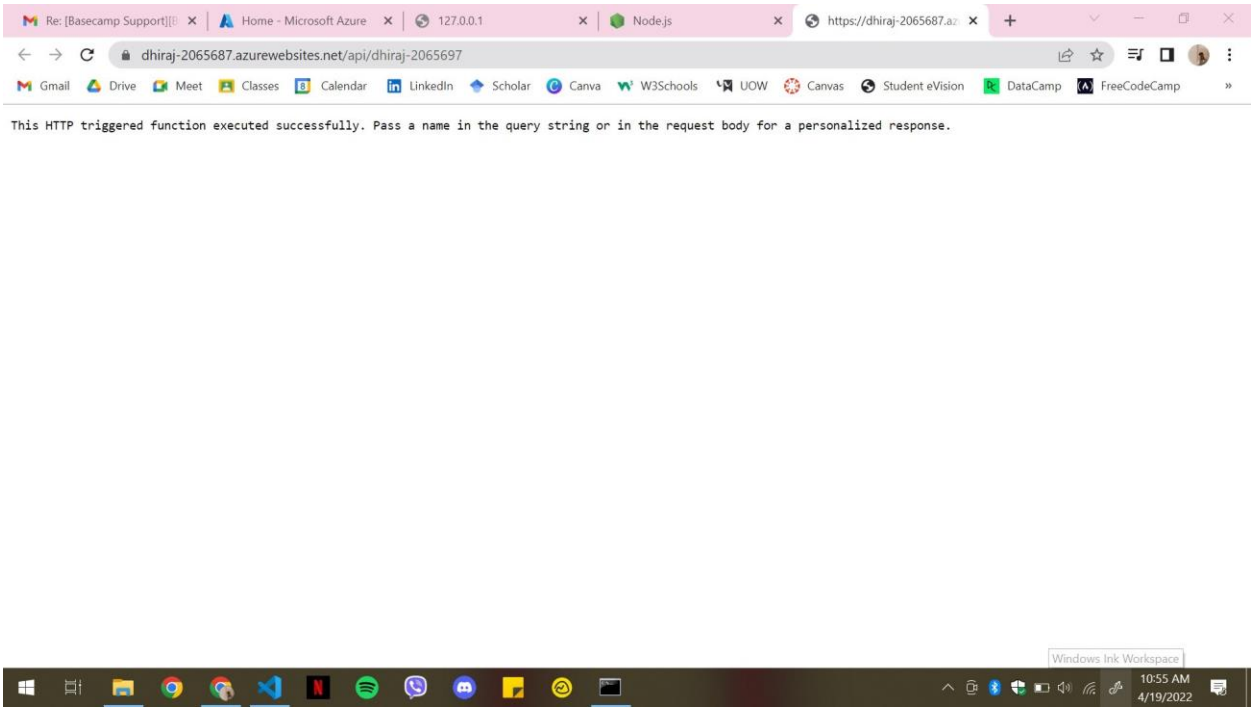
Step 14: Now here the app service plan is being created. In your case you will see creating resource group option for your function.



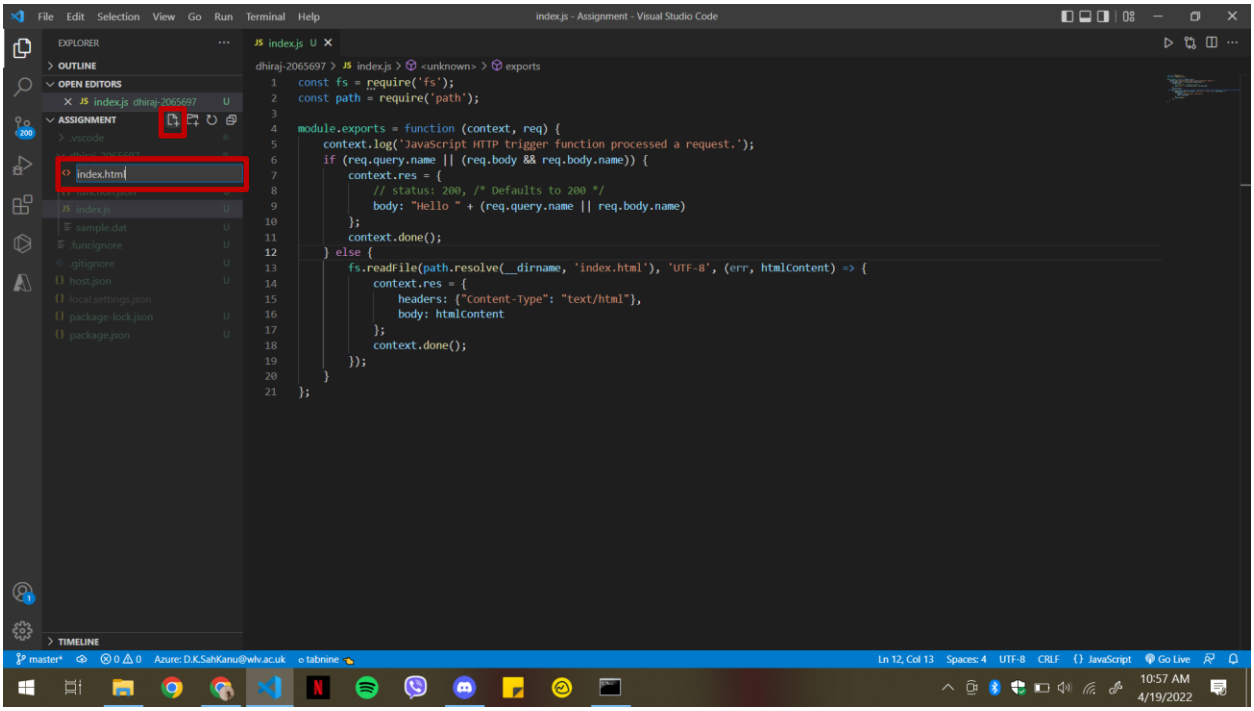
Step 15: After the completion of process click on the http trigger URL link.



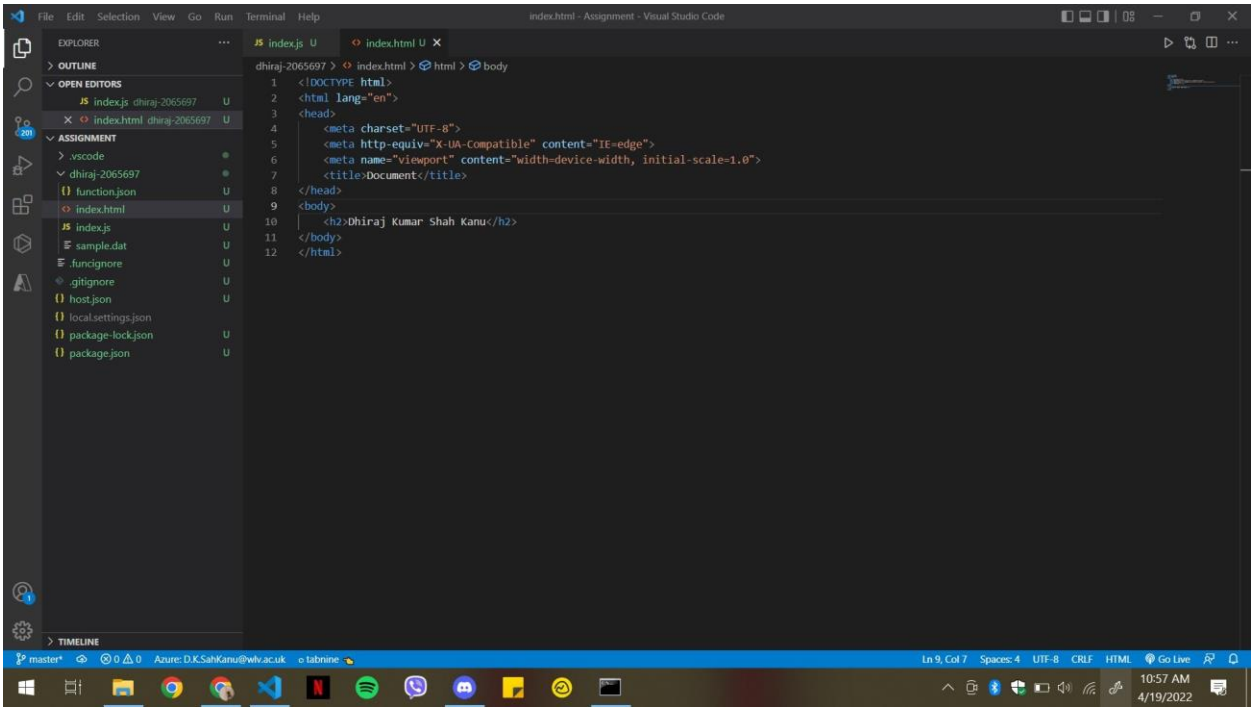
Step 16: When clicked on that URL, you will be redirected to this page which will show you ‘This HTTP triggered function executed successfully.



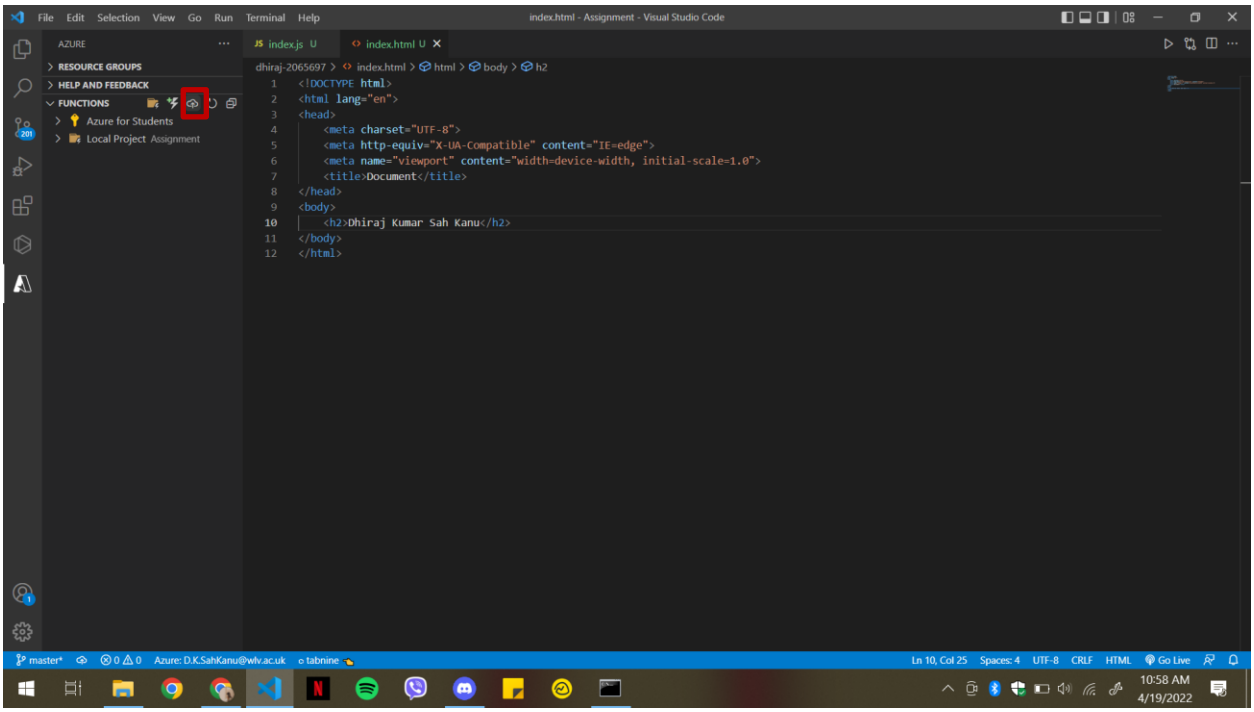
Step 17: Now you need to click on new file and then create an index.html file.



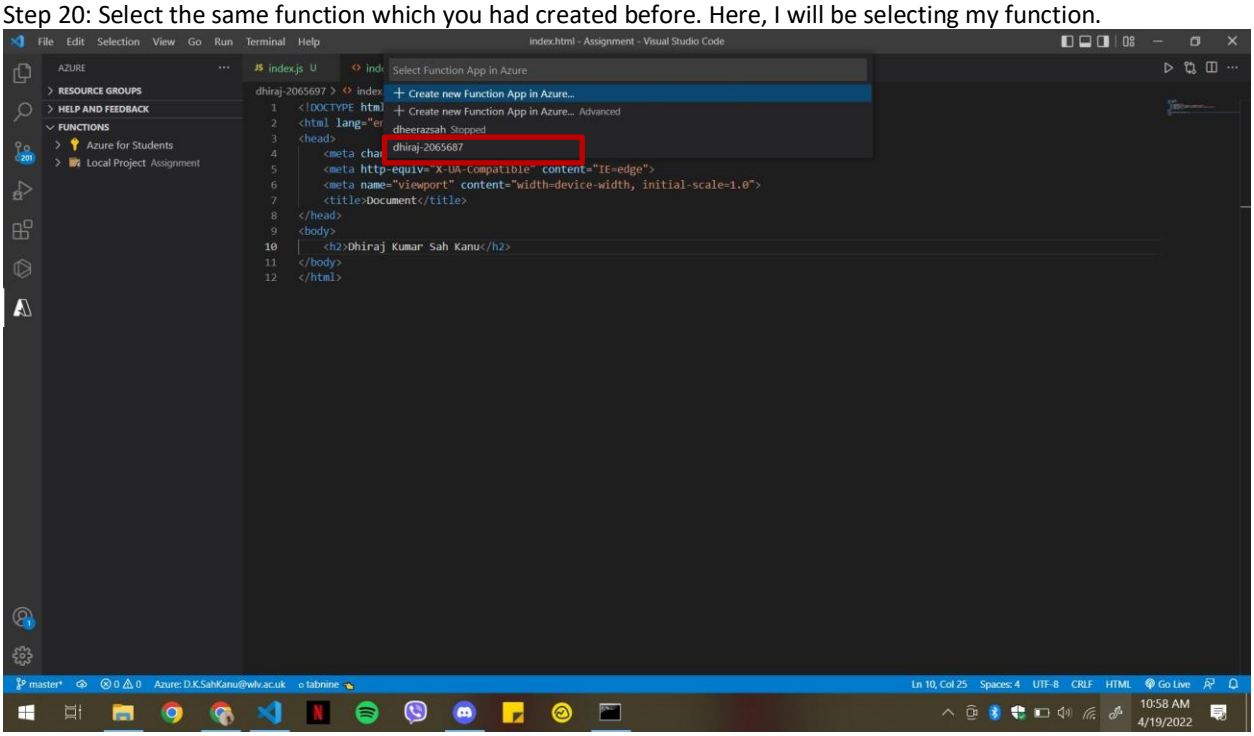
Step 18: Now simply create a html file using ‘!’ and ‘enter’ this will provide you a body and simply add a text in h2 section.



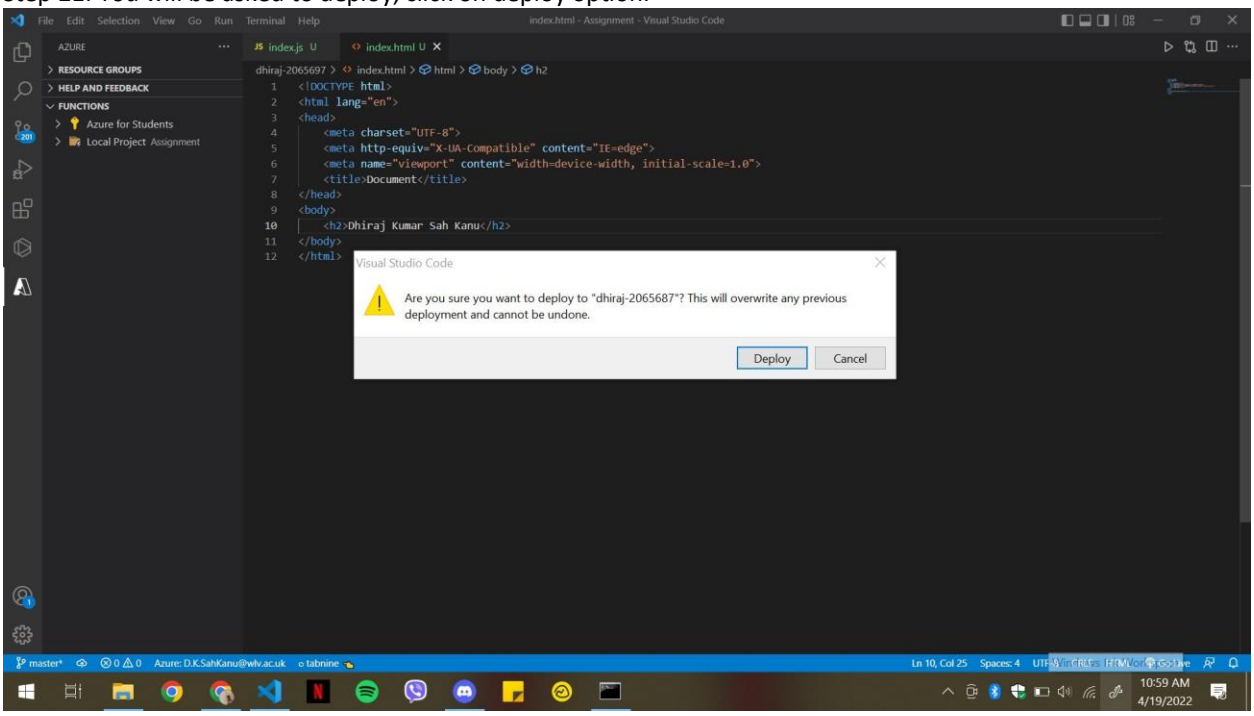
Step 19: Now, click on azure icon on the left navigation and re-deploy to function app by clicking on this upload icon.



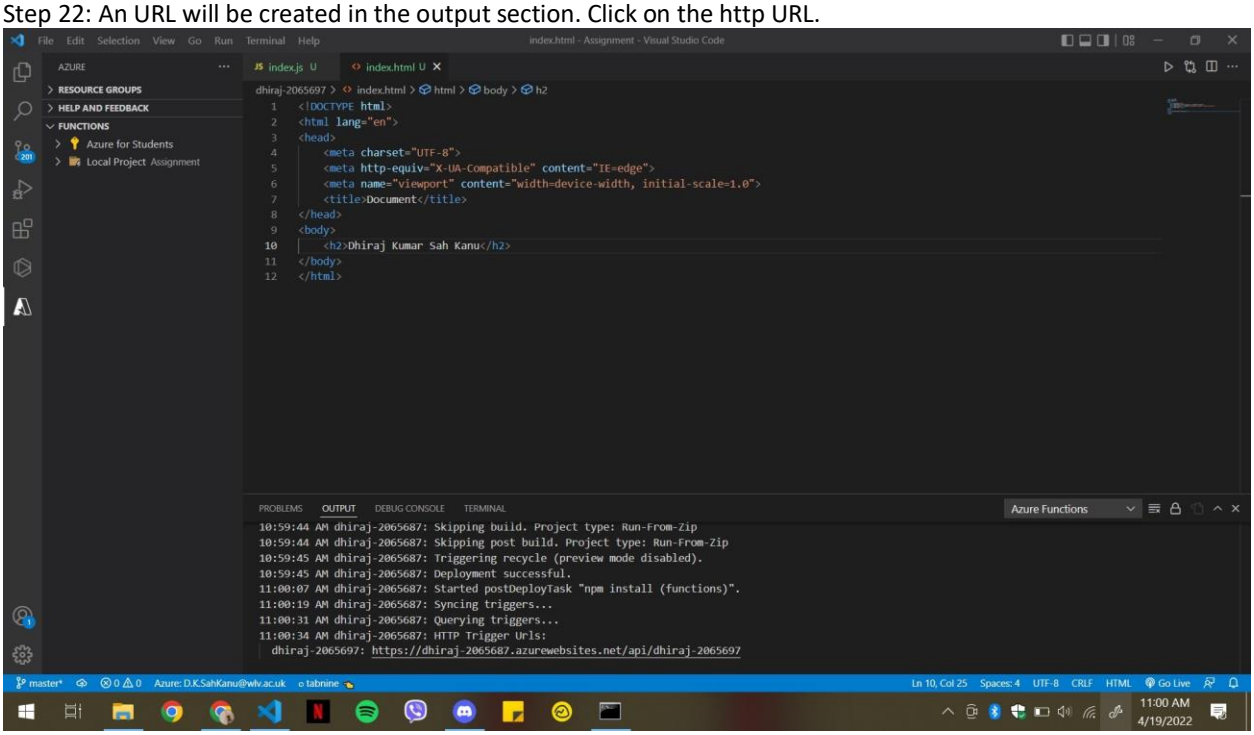
Step 20: Select the same function which you had created before. Here, I will be selecting my function.



Step 21: You will be asked to deploy, click on deploy option.



Step 22: An URL will be created in the output section. Click on the http URL.



Step 23: After following the link you will see your html file has been deployed.