Working with Azure Blob trigger

Step-1

Download Microsoft Azure Storage Explorer.

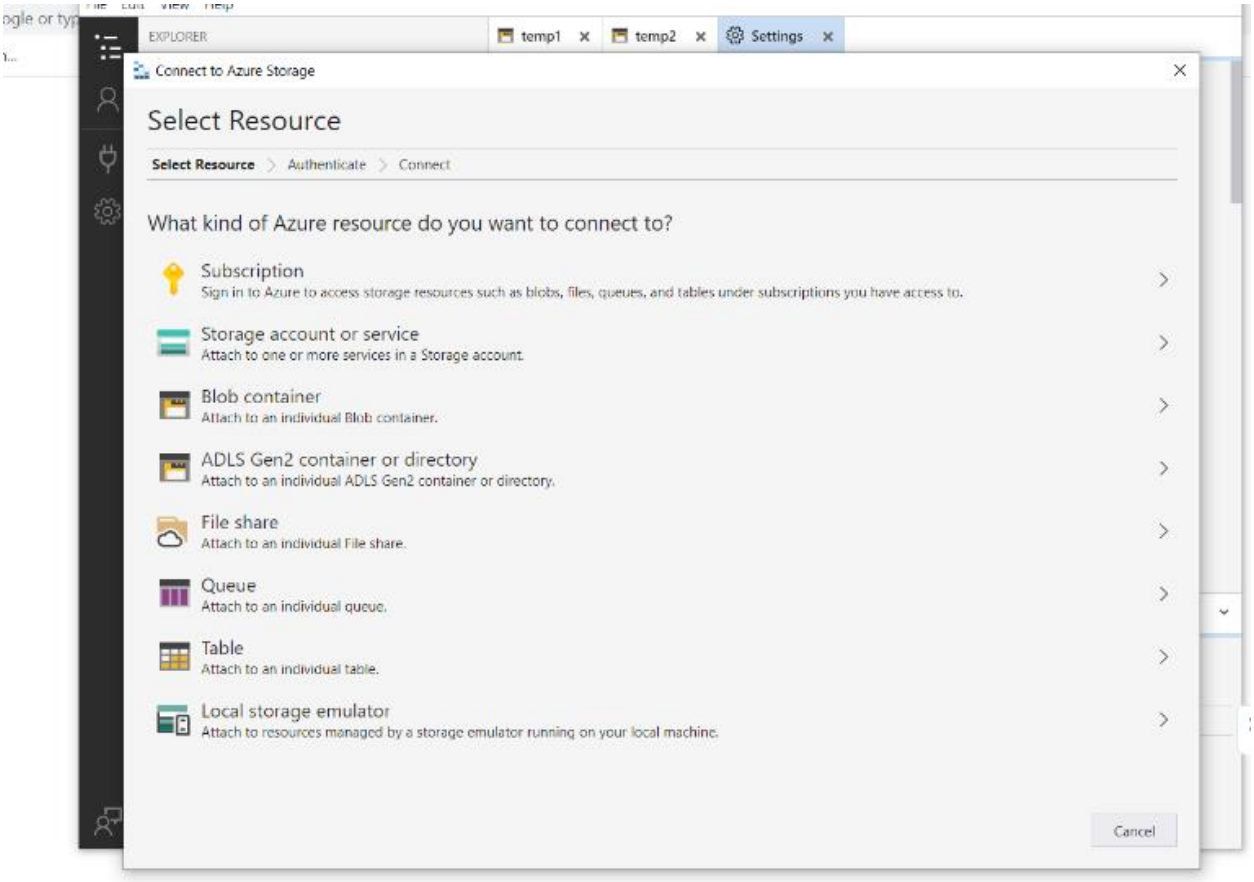
Src: https://azure.microsoft.com/en-us/features/storage-explorer/

Step-2

Configure Storage explorer by clicking storage account and service.

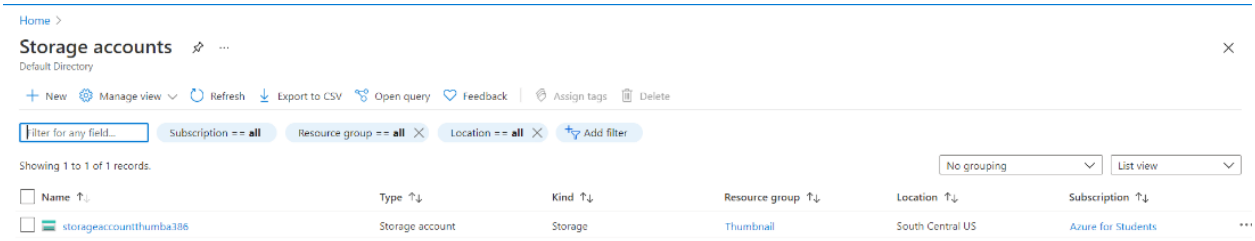
Here I used my student account.

Create 2 blob containers(temp1 and temp2) in Azure Blob containers.



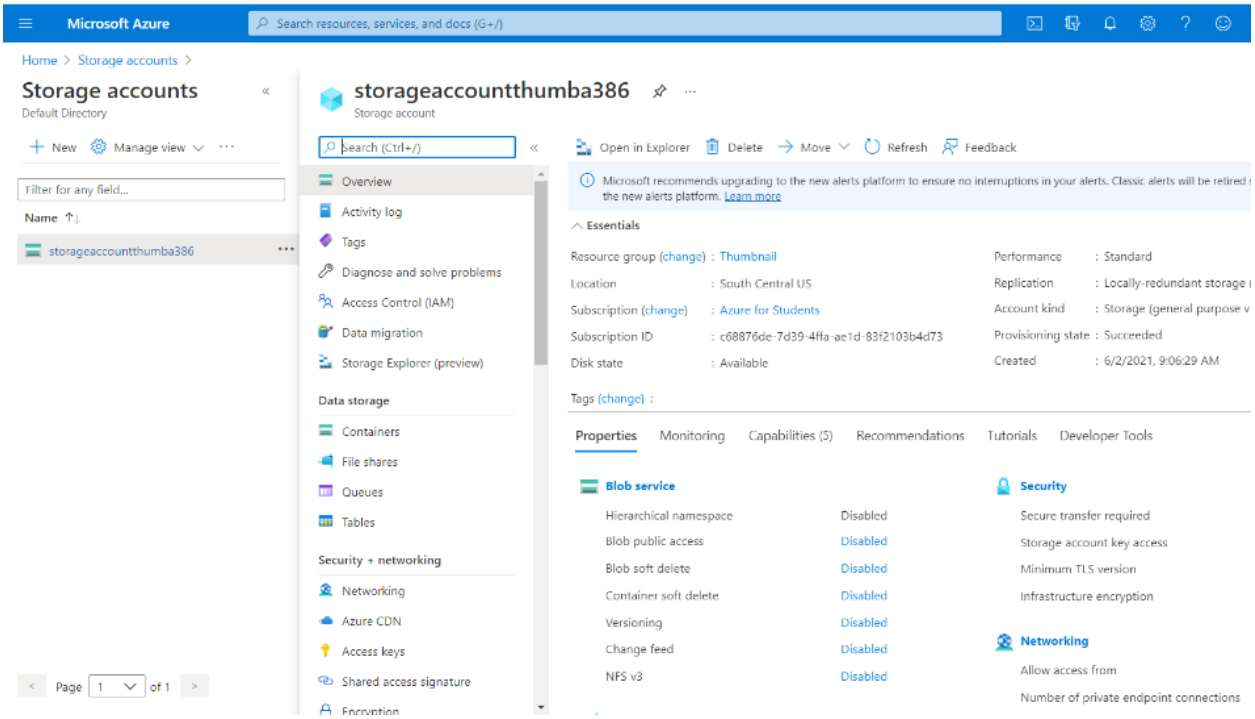
Step-3:

By clicking new button, create new storage account for storing images.



Step-4:

You can see your storage account after creating account.



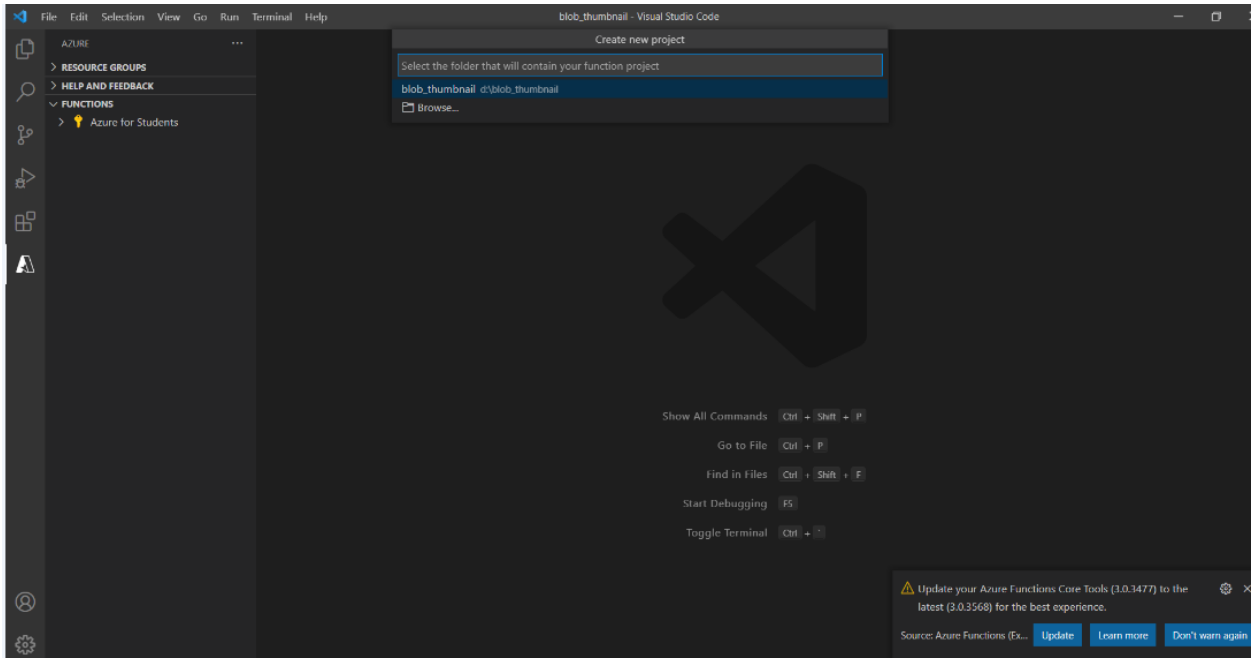
Step-5:

Now working with VS studio.

Install the extensions **Azure Account** for logging into your azure account via VS code.

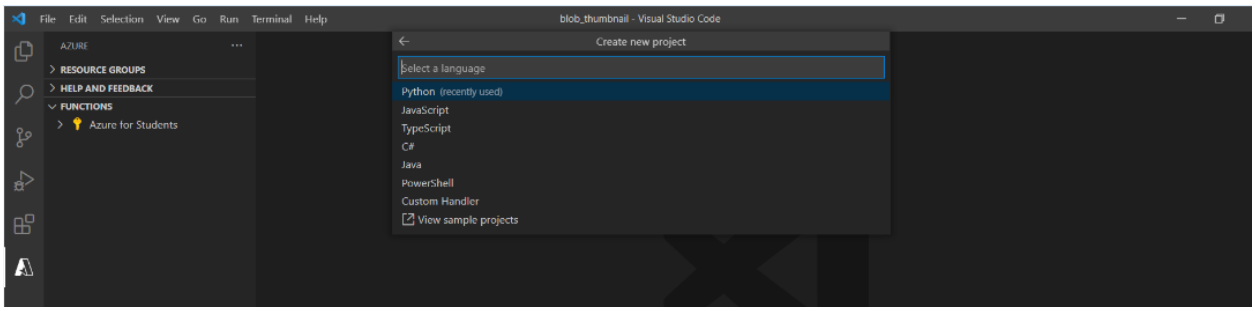
Install the extension **Azure Functions** for creating basic template of azure function and running it via VS Code.

Create a new project and give its name.



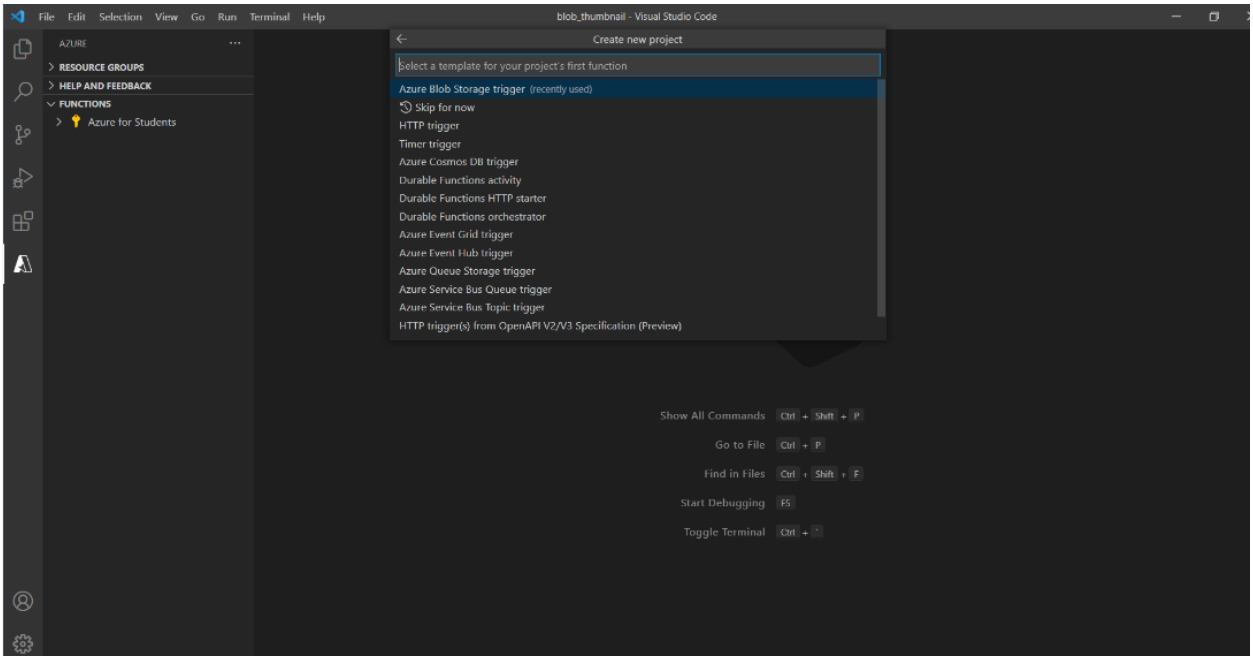
Step-6:

Now Select select preferred language(python for this project).



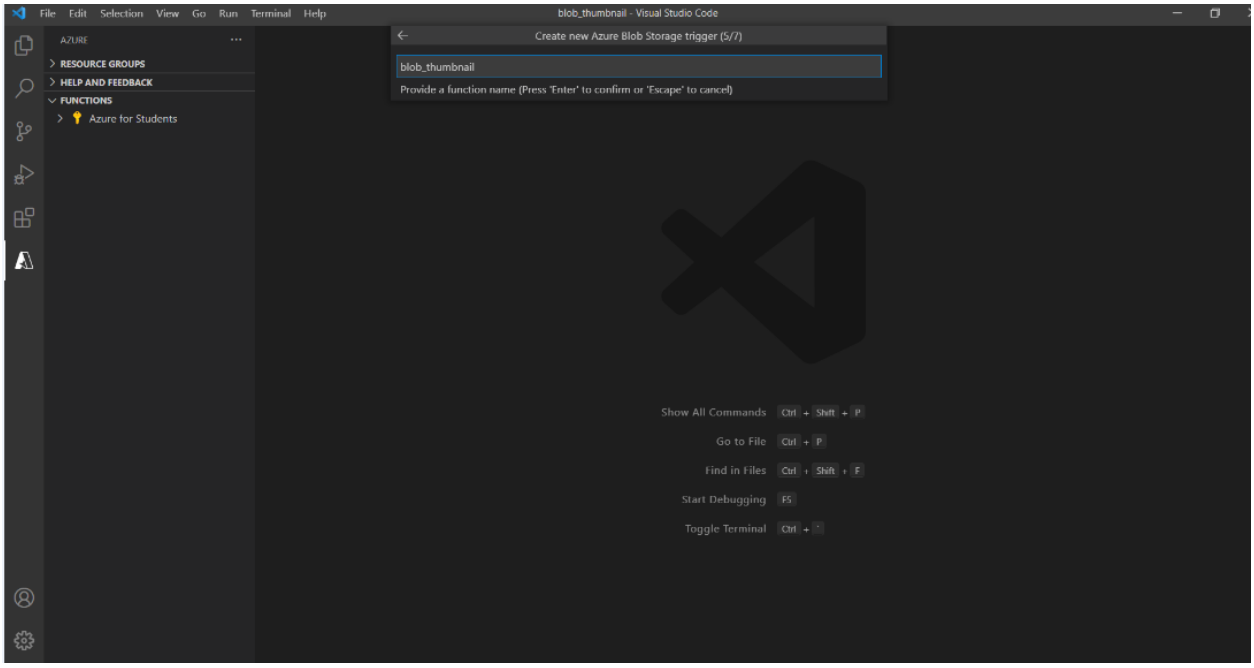
Step-7:

Select Template for the project function, select **Blob storage Trigger** for our usecase.



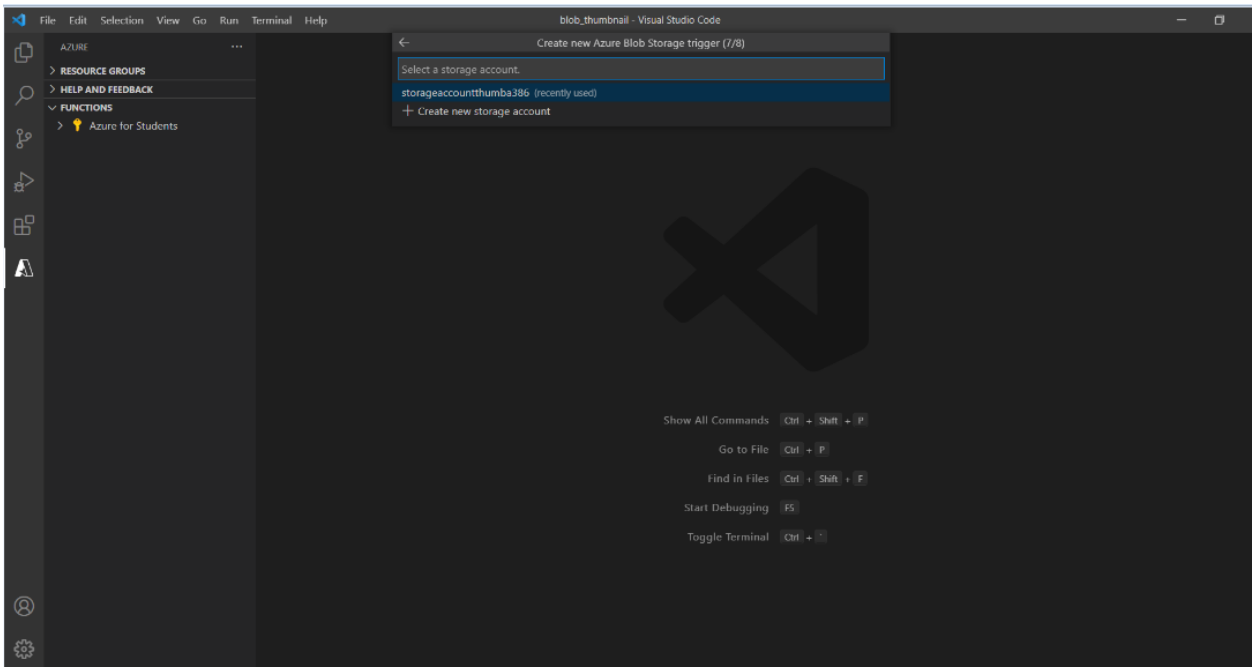
Step-8:

Provide the name of the function.



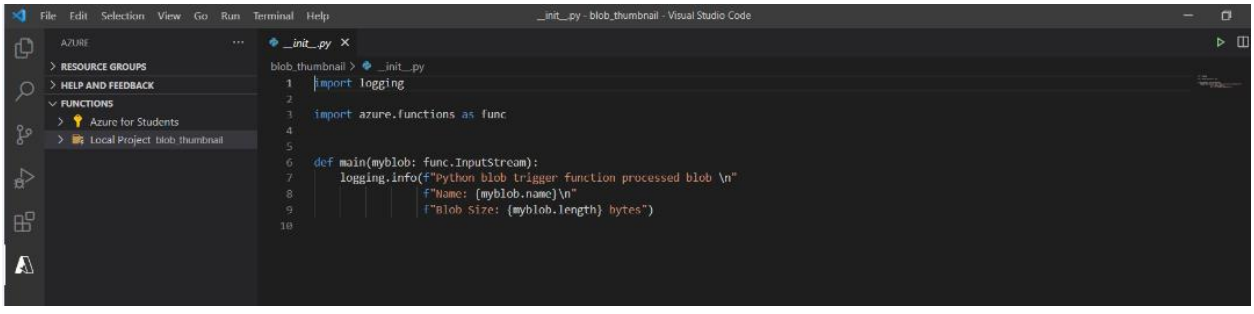
Step-9:

Select the storage account that we have already created. We can also create a new storage account if we do not already have one.



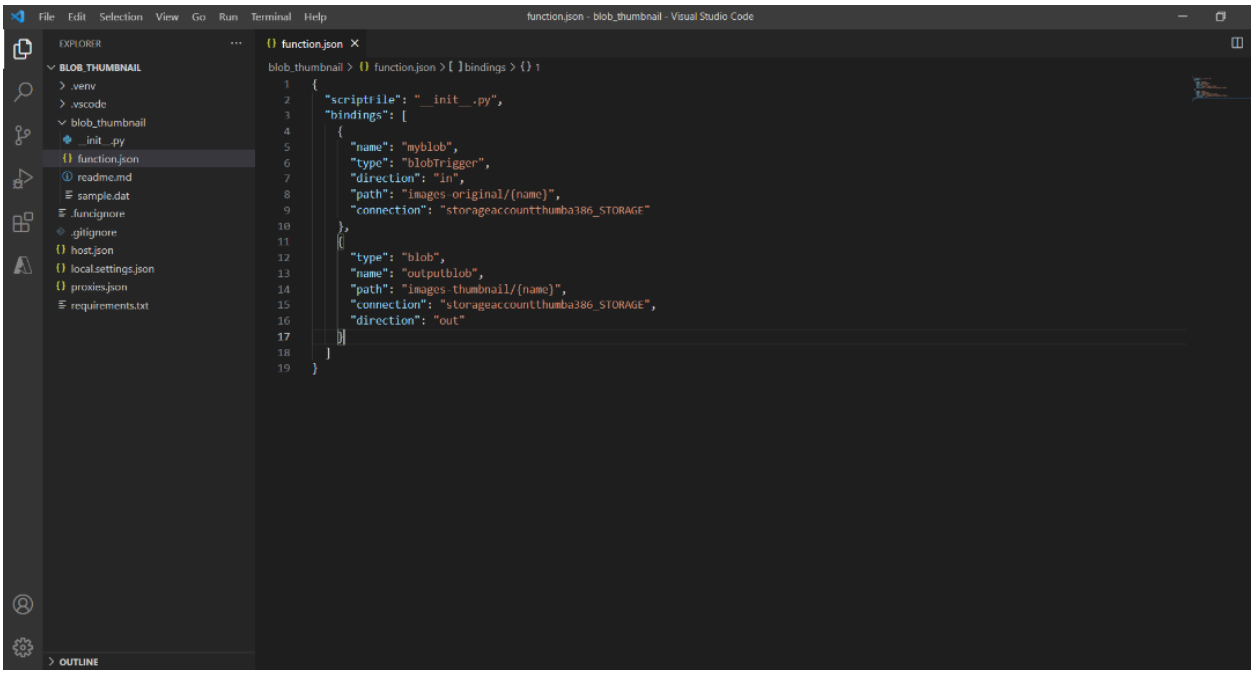
Step-10:

Now in __init__.py file import the azure.function. Have create 2 storages temp1 and temp2.



Step-11:

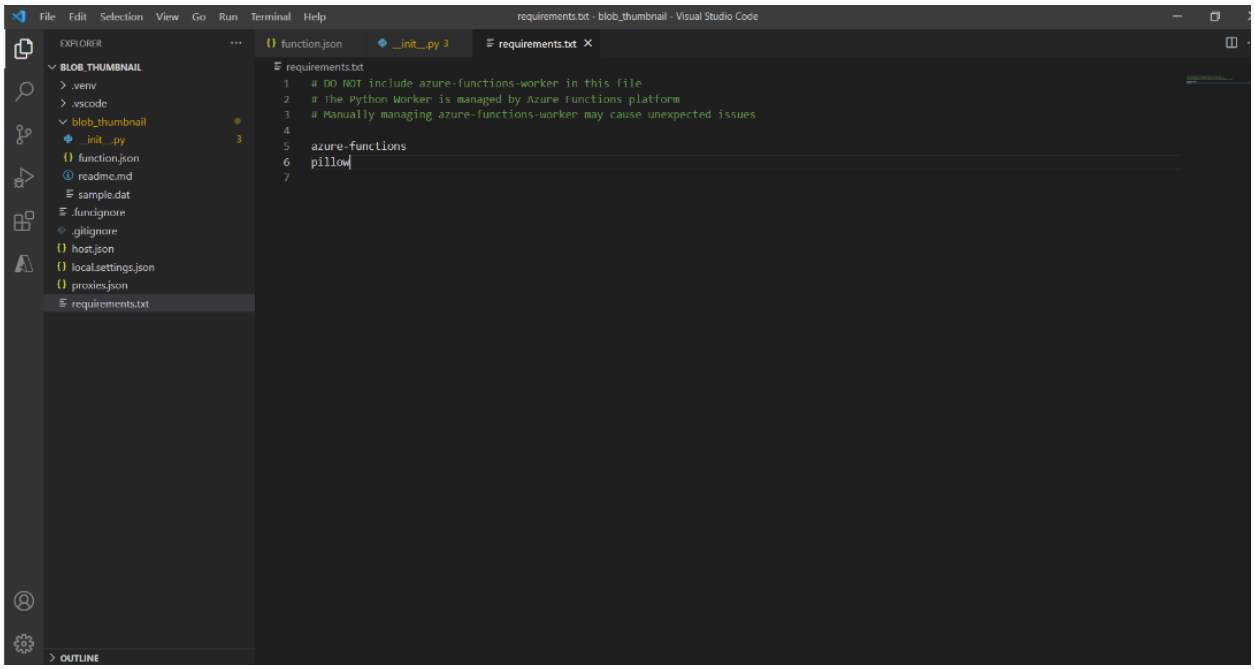
Now set the properties for input and output in the function.json file.



Step-12:

Add the required pip package names in Requirement.txt file.

Install them using pip install -r Requirement.txt.



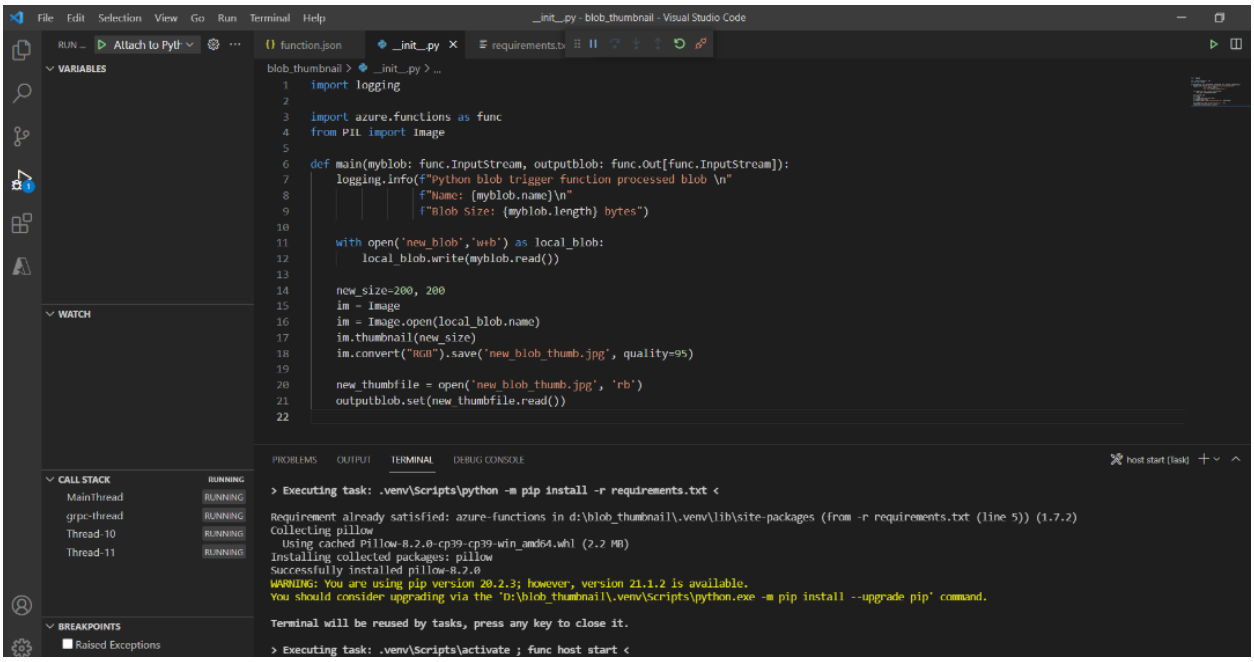
Step-13:

Add the following code to __init__.py file.

This function will be triggered whenever a file will be uploaded to temp1 blob container in our azure blob containers.

This function creates a thumbnail from an image and automatically saves it to temp2 container in our azure blob containers.

We can do any other image processing as per our buisness requirement inside the main() function.



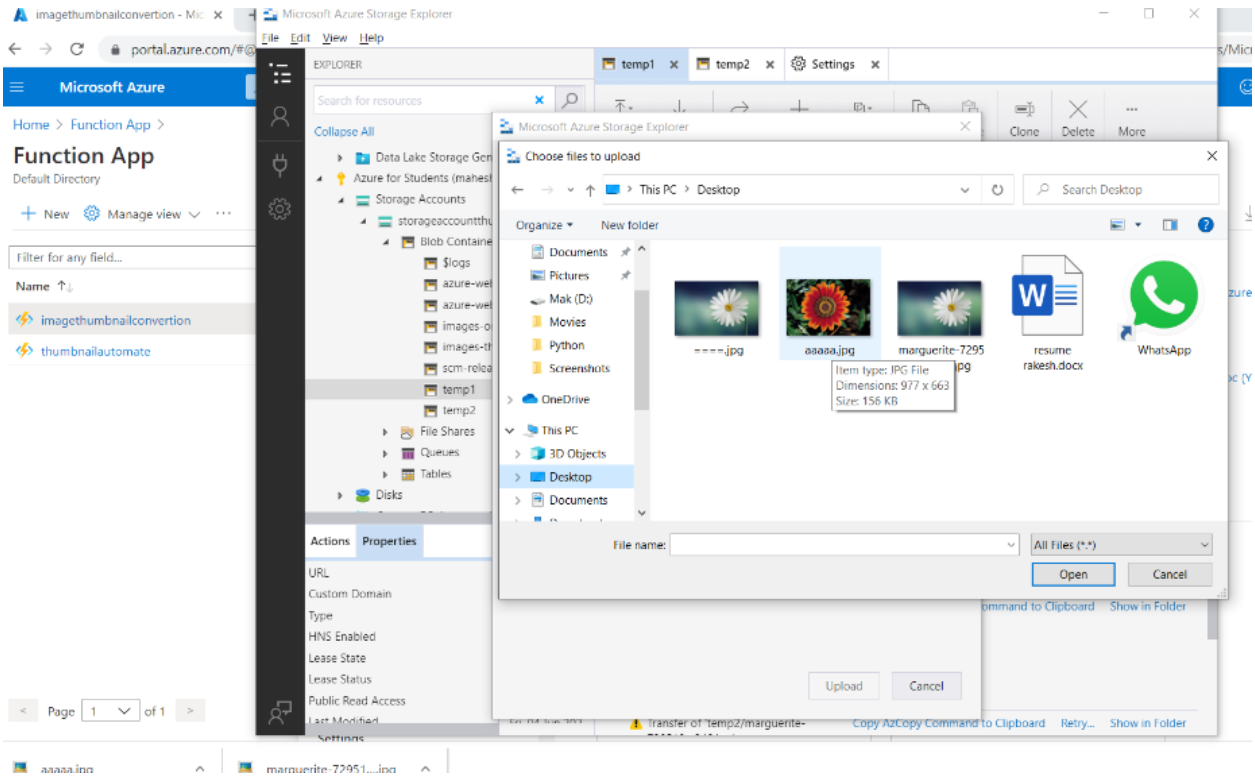
Step 14:

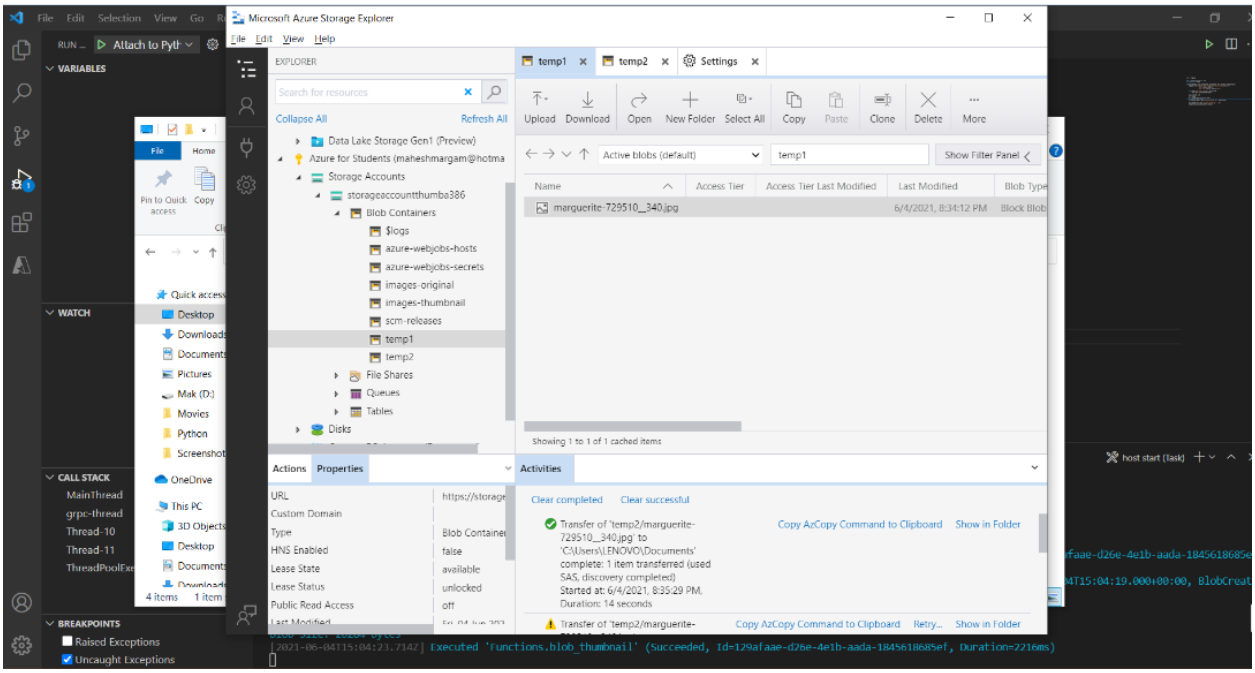
Press **F5** or run the command **func host start** in terminal to run our program.

Step-15:

Let’s test out program.

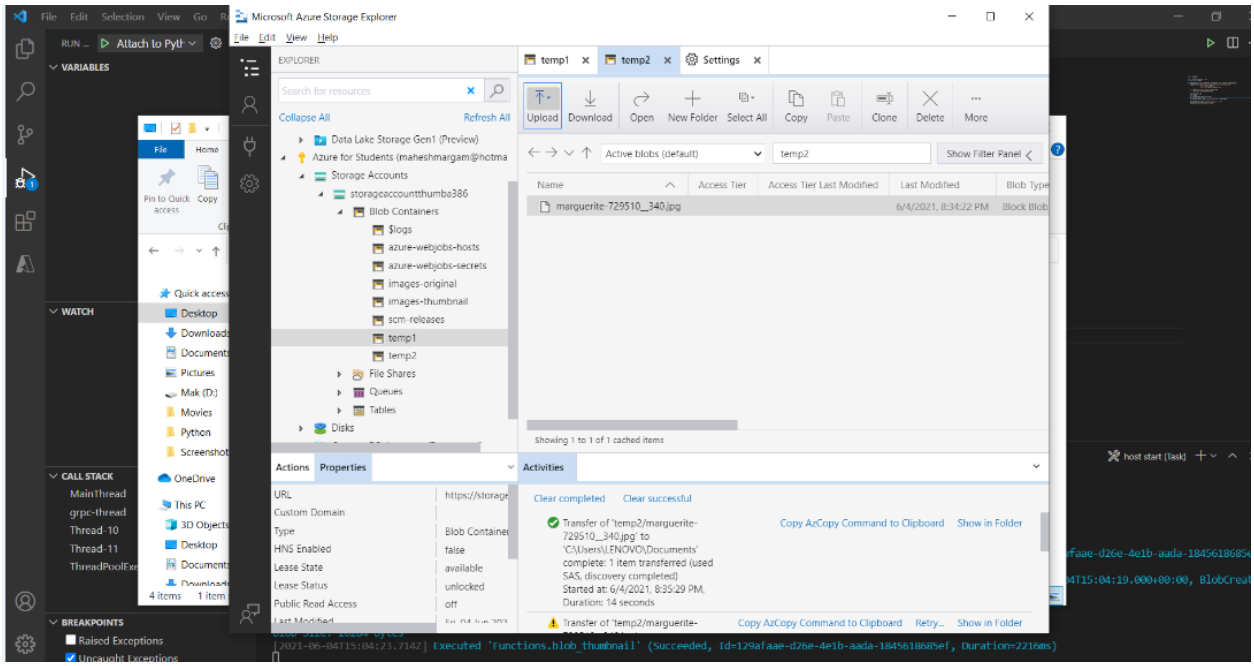
In Azure portal Upload an image in temp1 storage container.





Step-16:

Now you can see this trigger activated and temp2 storage also contain that image from temp1 storage.



After this we can see in Microsoft Azure Storage Explorer that new file will be uploaded in temp2 container which in the processed image via main() function.