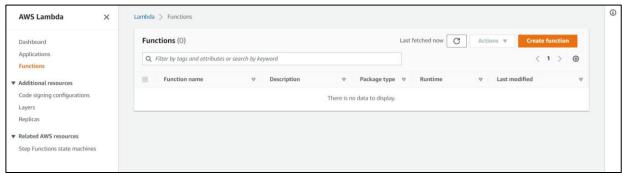
Assignment 02

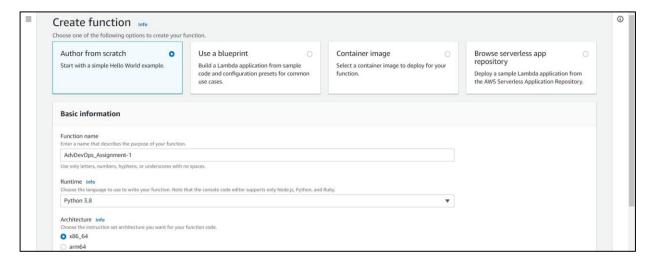
Implementation:

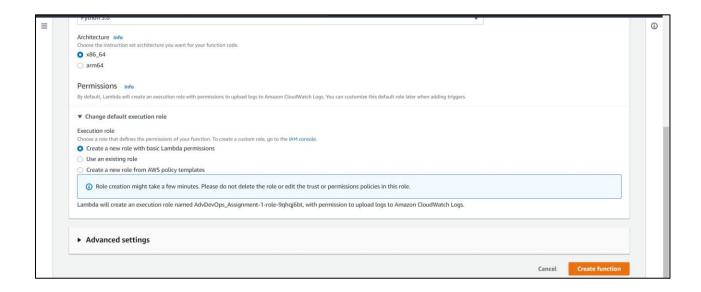
Prerequisites: AWS Free Tier account

Step 1: Login to your AWS Account and the Lambda Function Console.

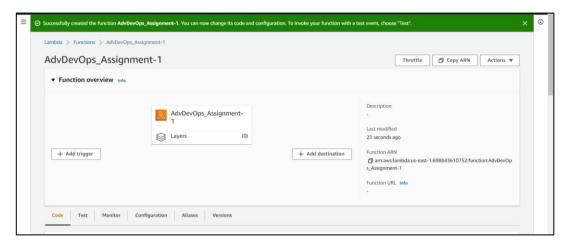
Step 2: Create an AWS Lambda function with runtime as Python 3.8.







Then click on "Create Function"



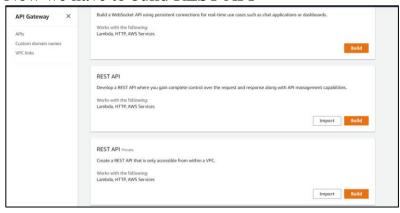
Step 3: Write the code for the handler which will be invoked after input from the user and save it.

```
lambda_function × +
T
  1 import json
       def lambda_handler(event, context):
               TODO implement
             first_name = event["queryStringParameters"]['first_name']
             last_name = event["queryStringParameters"]['last_name']
             app_response = {}
             app_response['message']= f'The details are {first_name} and {last_name}'
app_response['profession'] = 'Student'
app_response['age'] = 19
  10
  11
  12
  13
  14
  15
              responseObject = {}
             responseObject['statusCode'] = 200
responseObject['headers'] = {}
responseObject['headers']['Content-Type'] = 'application/json'
responseObject['body'] = json.dumps(app_response)
  16
  17
  18
  19
  20
            return responseObject
```

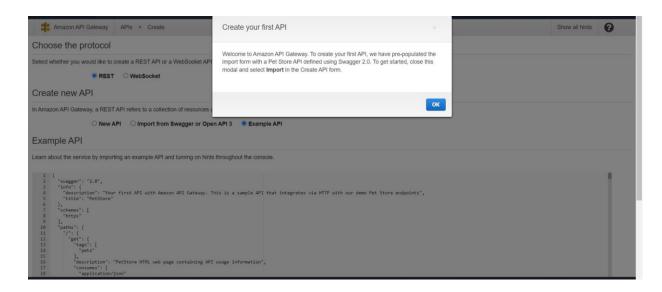
Step 4: Now leave the function as it is and the go to the Amazon API Gateway.



Now we have to build REST API

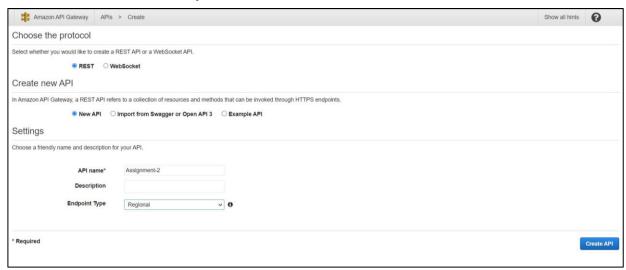


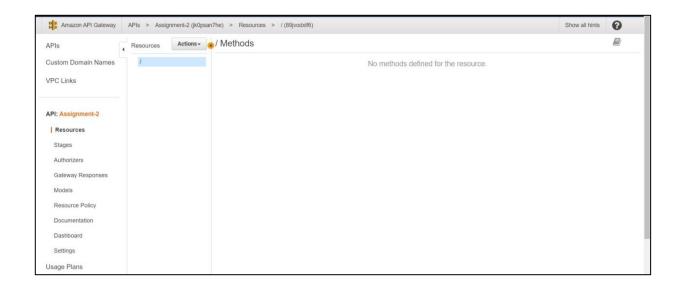
Click on "Build".



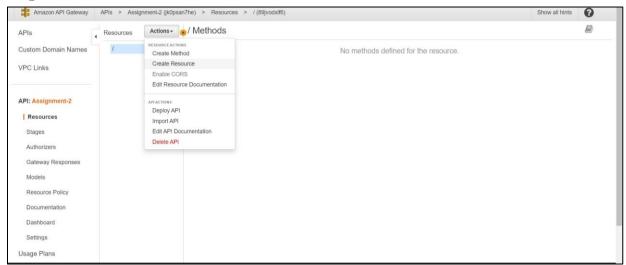
Step 5: You see this type of page choose "**REST**" and "New API". Then click on "Create API".

After successful creation you will see this.

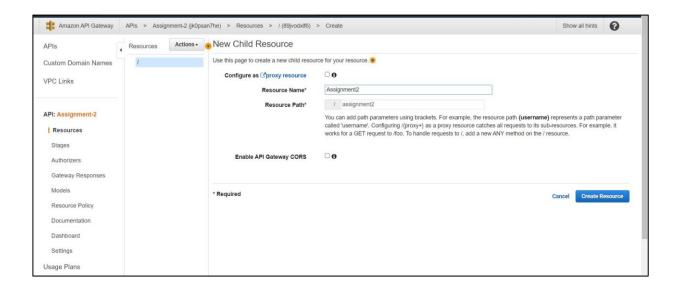




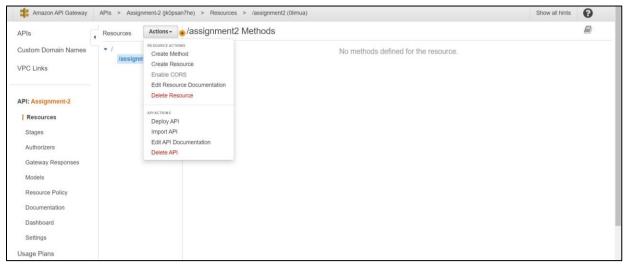
Step 6: Now, under "Actions" choose "Create Resource".



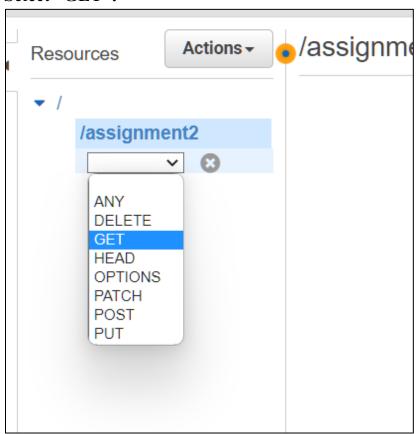
Configure the Resource and the create it.



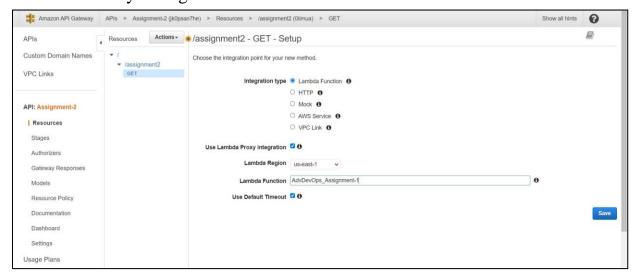
Step 7: Now, under Actions "Create Method".



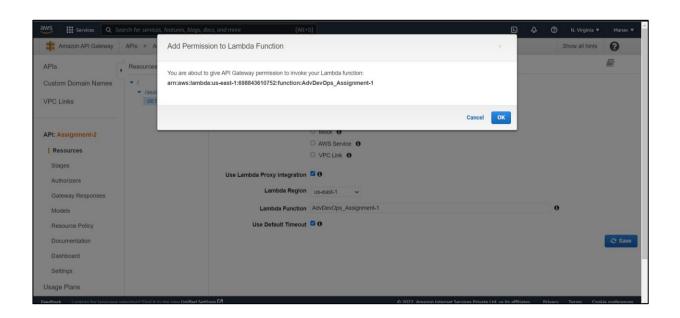
Select "GET".



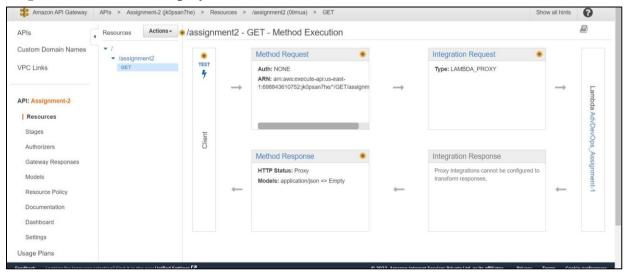
Do the necessary configuration and save it.



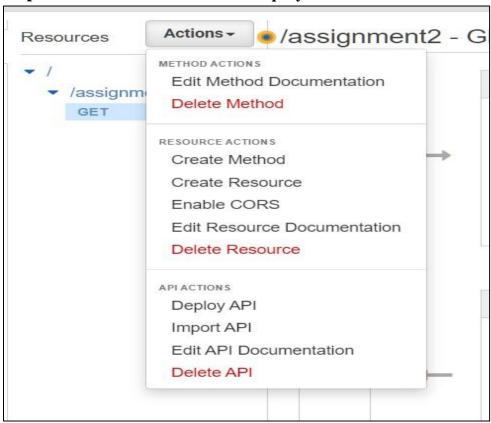
Step 8: Add the Permission of the method which we created previously.



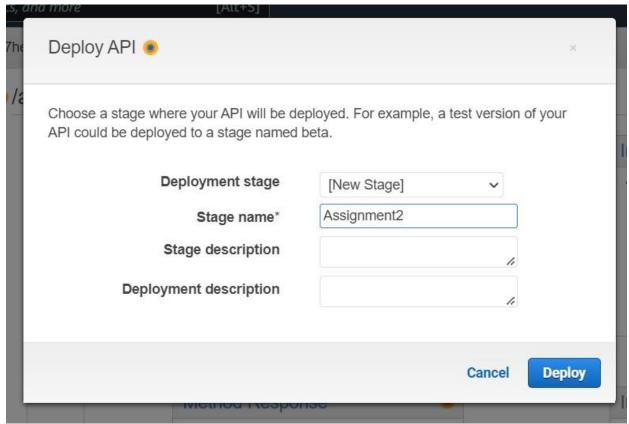
Step 9: After all the steps you are able to see this interface.



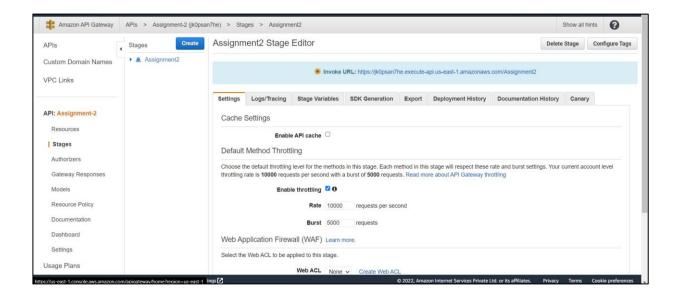
Step 10: Under Actions choose "Deploy API".



Step 11: Create a new stage and then deploy it.



After deployment a link will be shown on the home page of the API.



Step 12: Now the Get Method which created previously you see the link copy that and open in your browser, pass the arguments.

