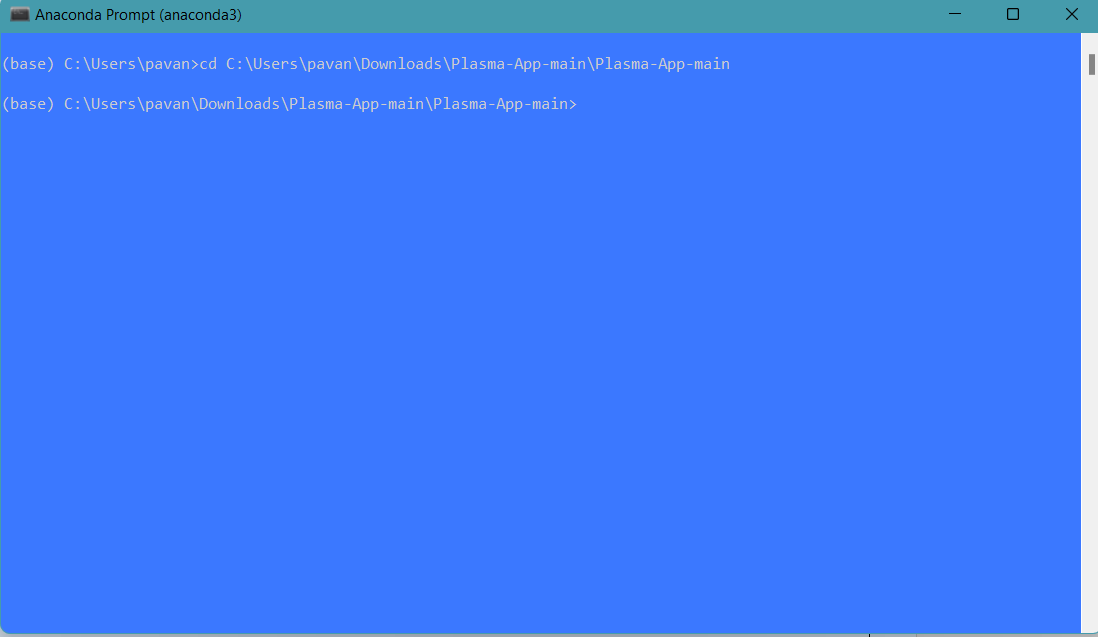
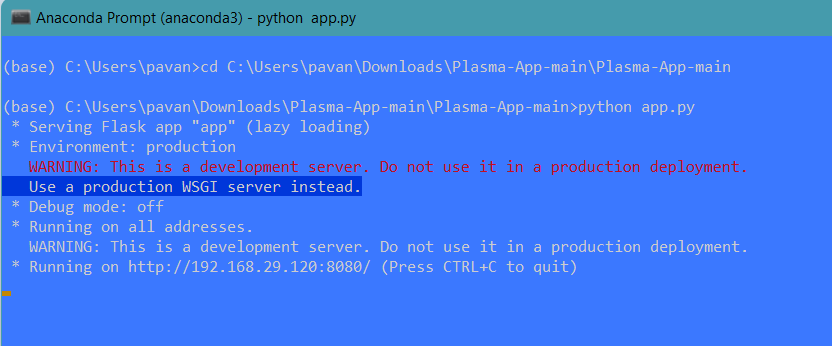
1. Develop the code and run the python code in anaconda prompt

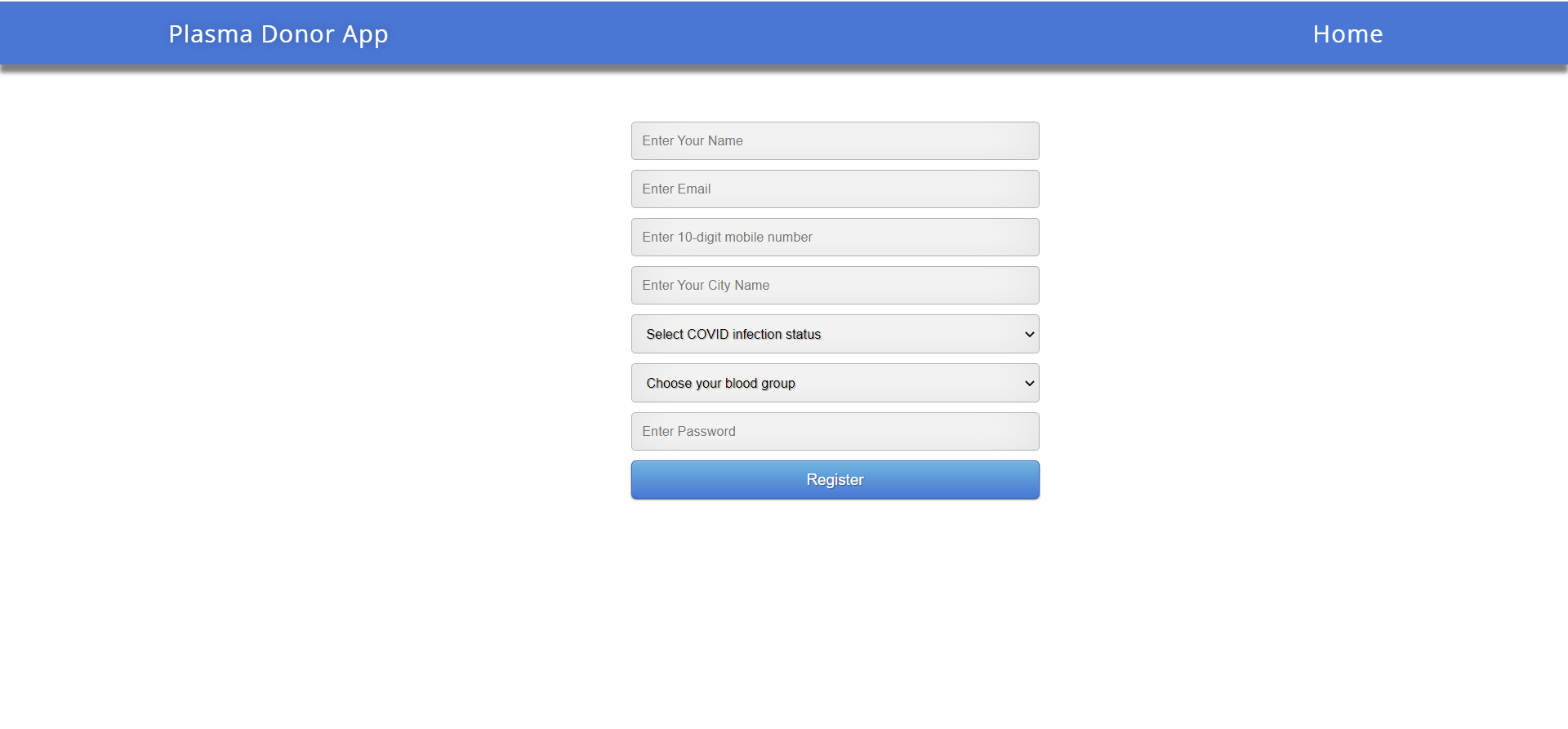
cd C:\Users\pavan\Downloads\Plasma-App-main\Plasma-App-main

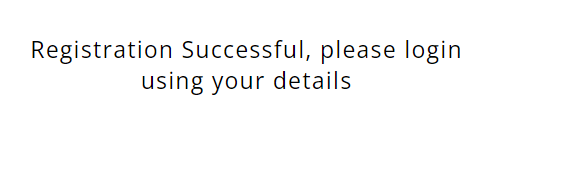


python app.py //To run the python file



We are going to register the account





Now we are going to login to the app



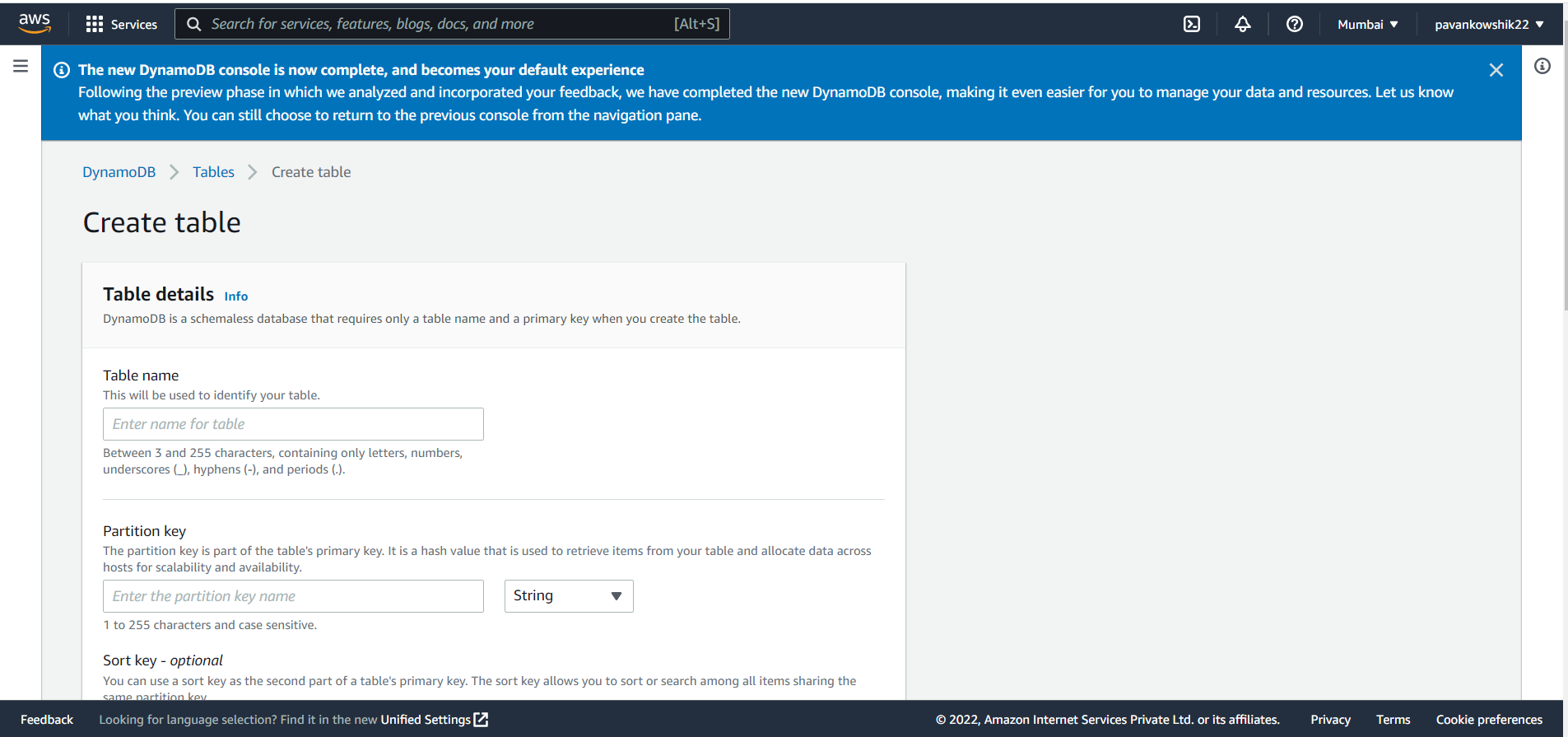


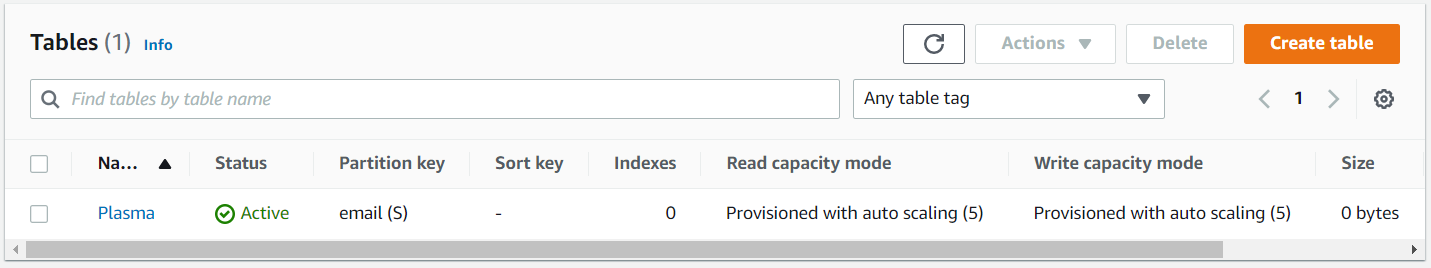
Now we are going to run Database(Database), Lambda(Server code), API Gateway(To access the Lamda we required API Gateway)

1. Database- SQl(Structured Querey Language),NOSQL(Stores the data in the form JSON)

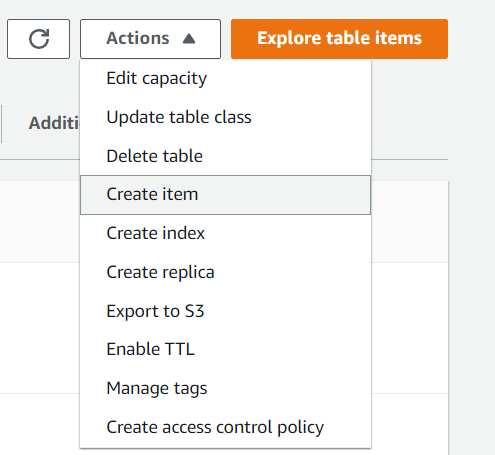
**Amazon DynamoDB**

1. Now we are going to create the tables

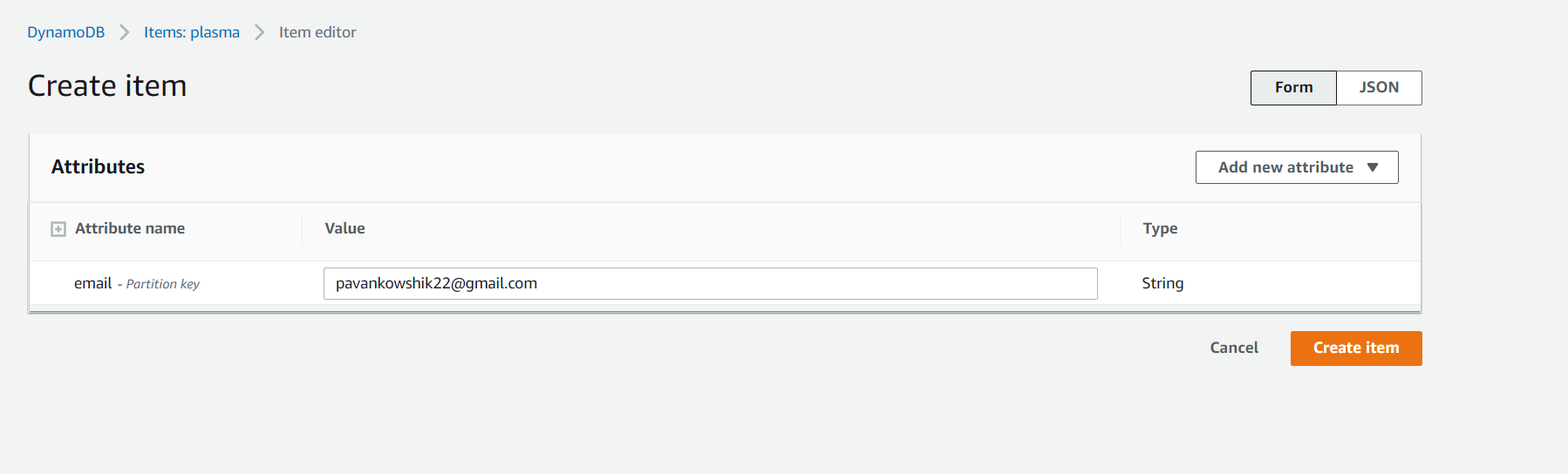




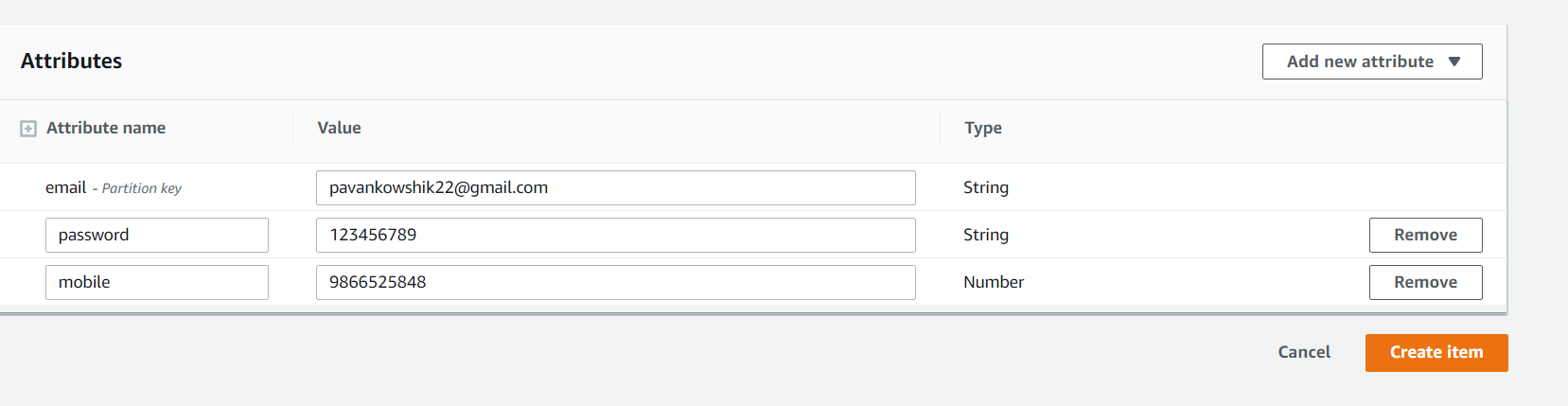
1. JSON(All the values will be in the form of text and value) and now we need to create an item



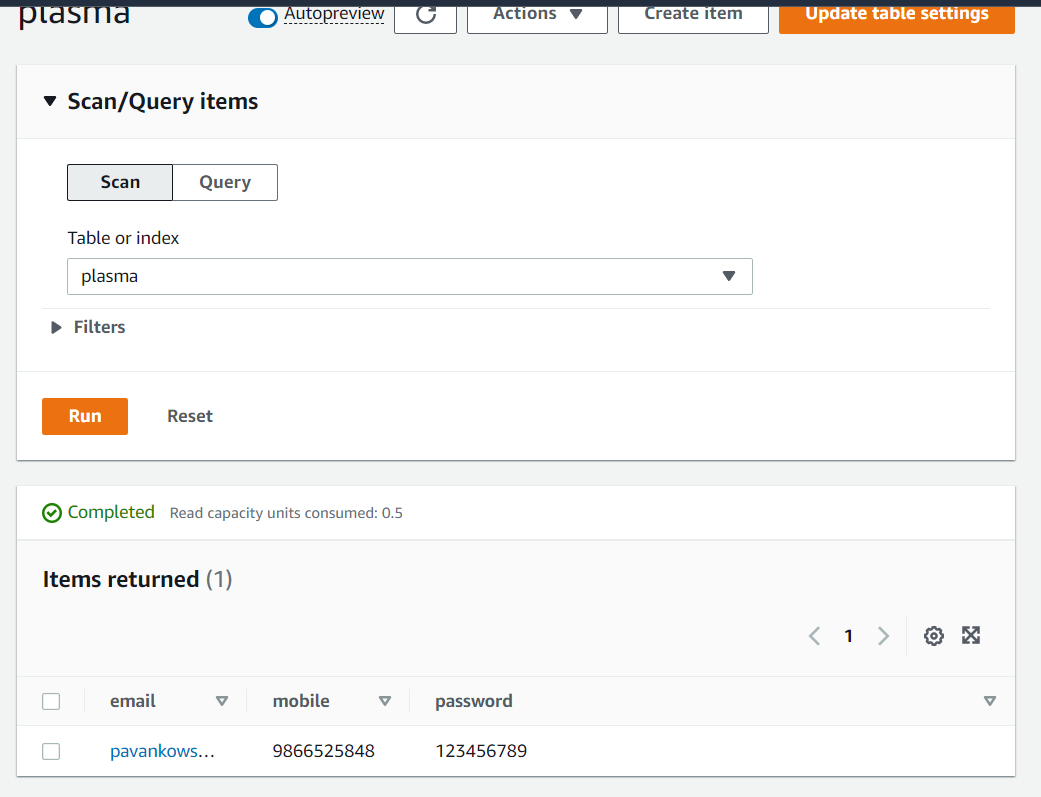
1. Now we are going to create an item



1. Create new items as follows

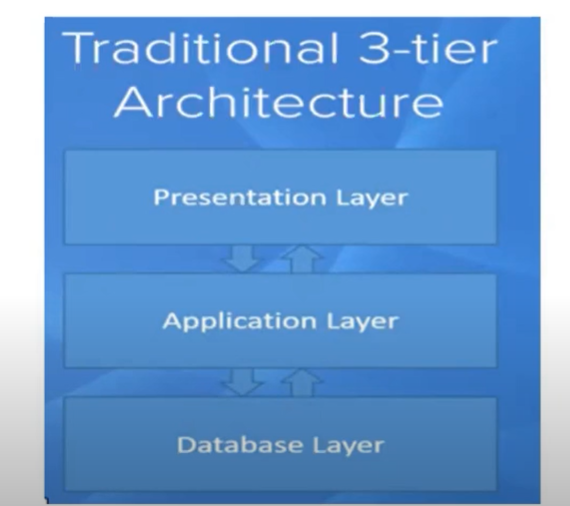


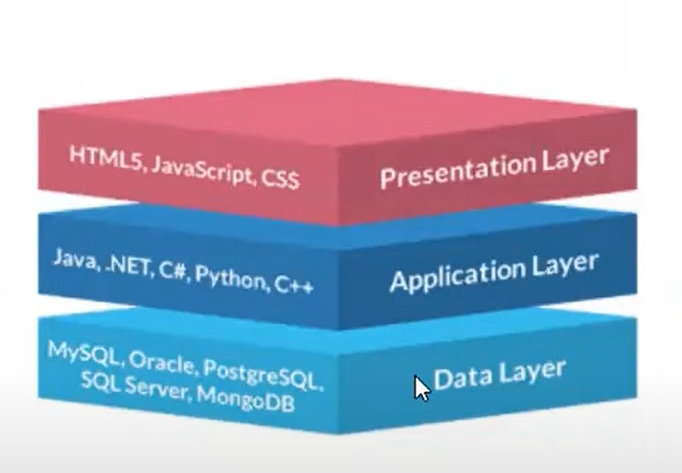
1. To explore the items click on explore items



[AWS Lambda](https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/)(**Serverless computing**)

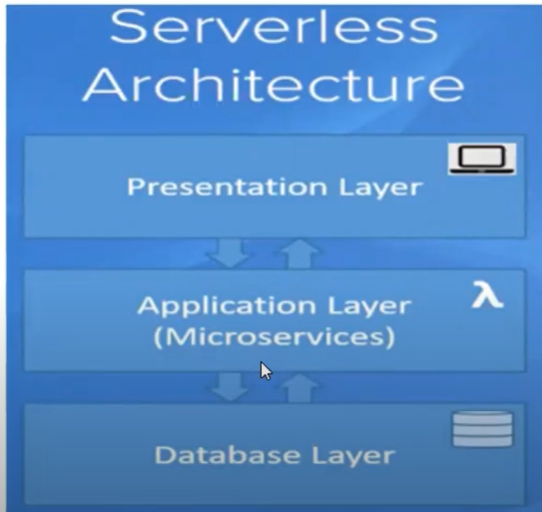
**Server based computing or Traditional Based**

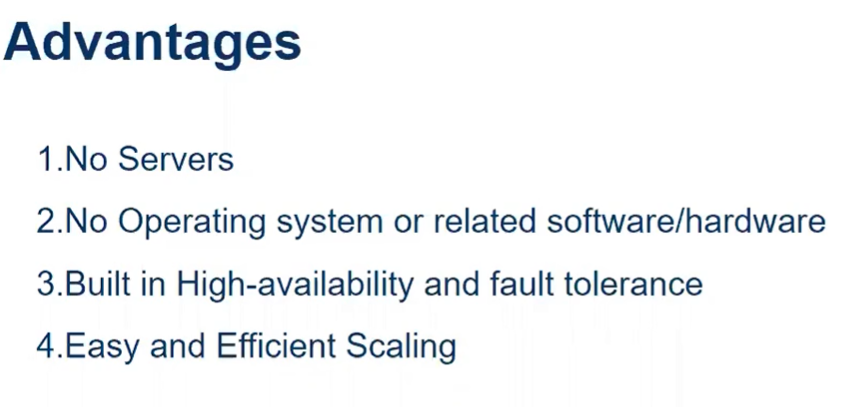
****

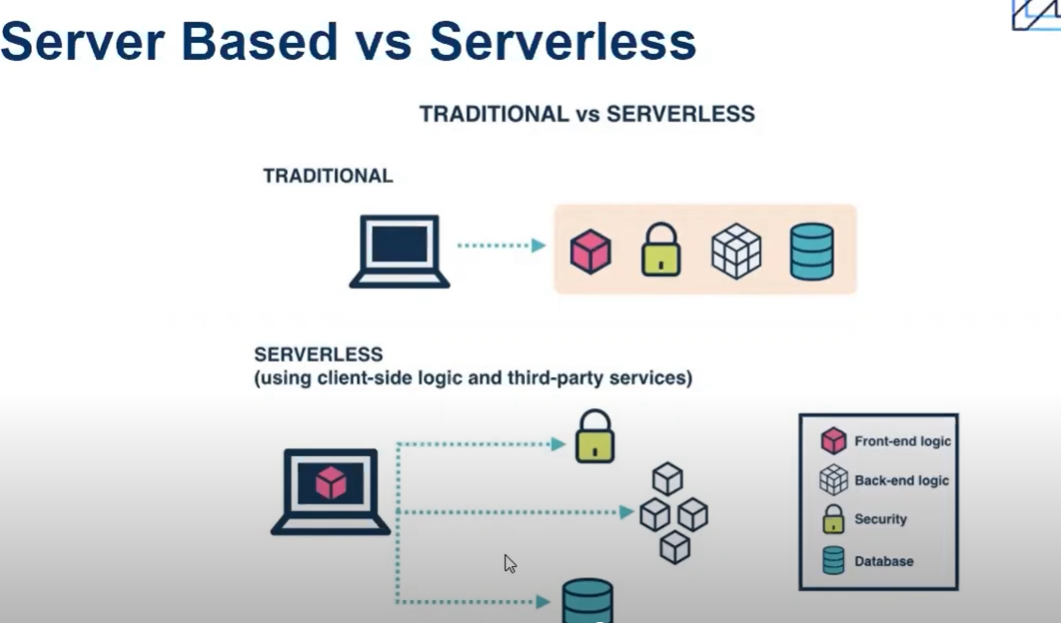
****

1.In this process, the presentation layer displays what we had developed to the user and in the application layer the logic is carried out to the data layer through url. The information is carried to the application layer and it is transmitted to the Data layer

**Serverless Computing**

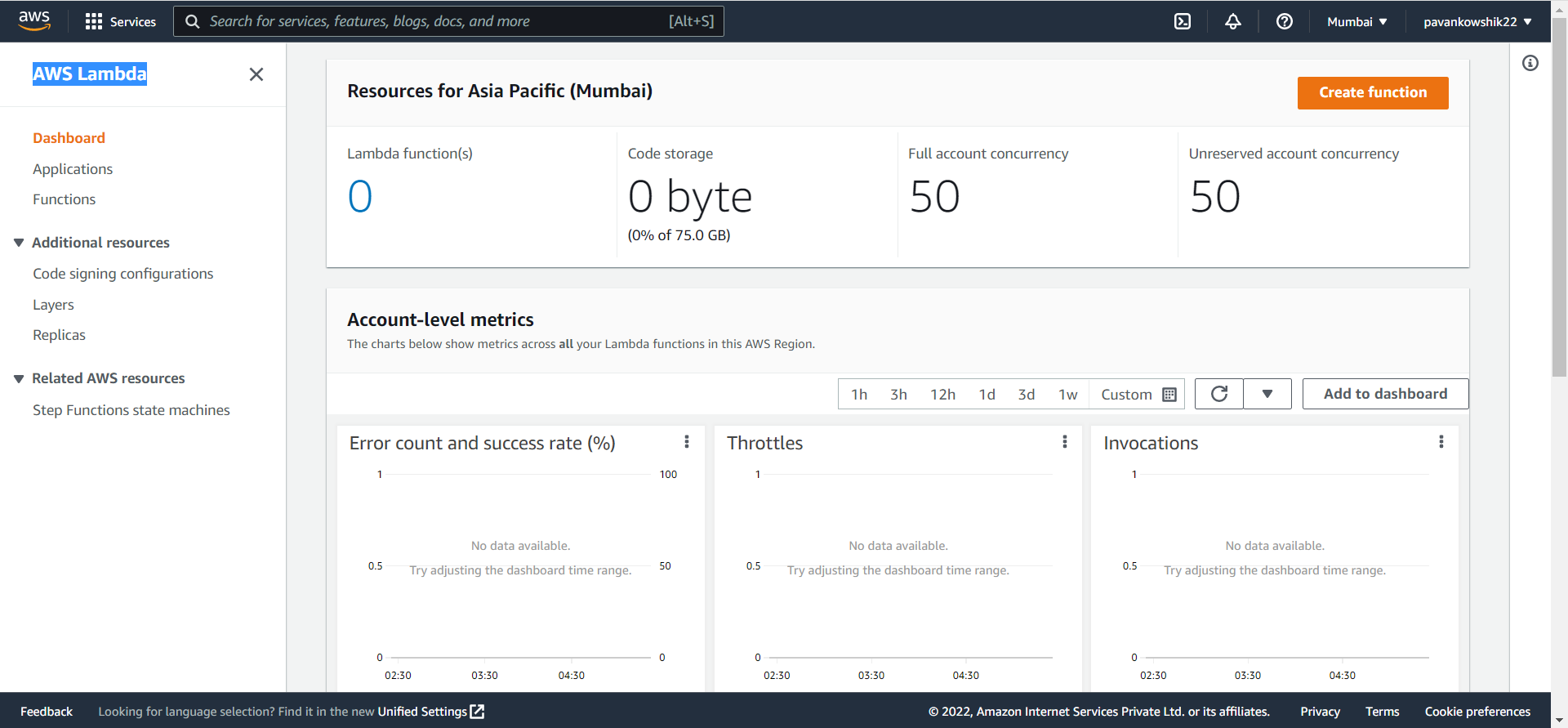
****

****

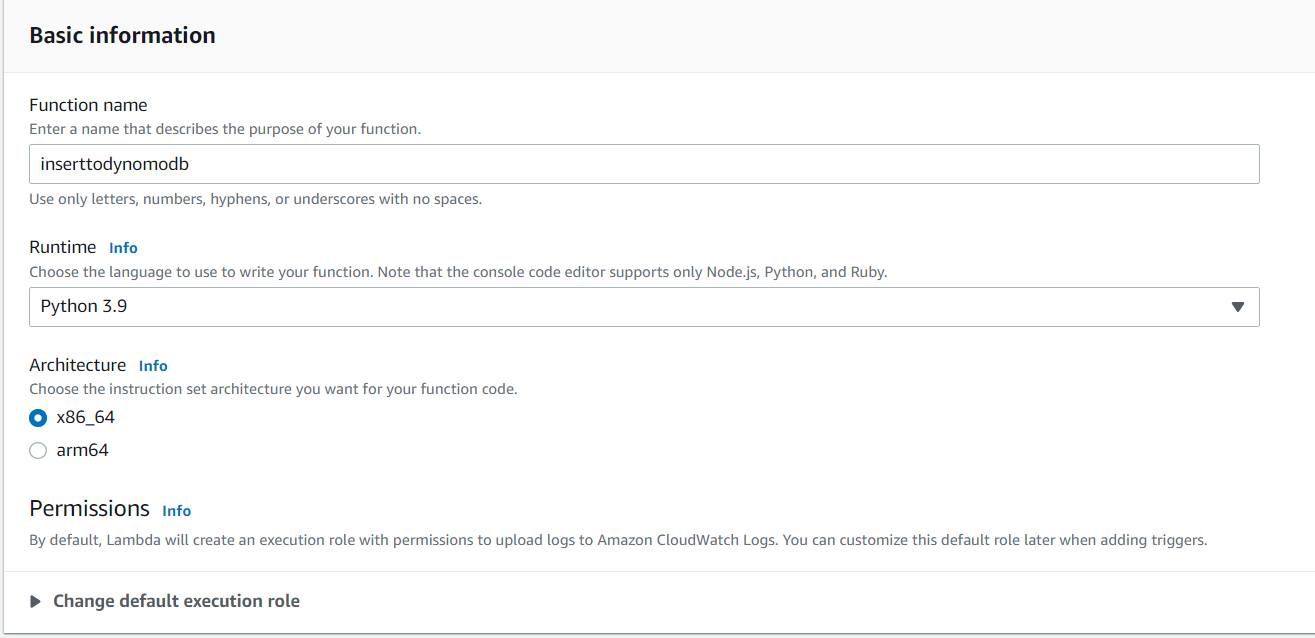
****

**Lambda**

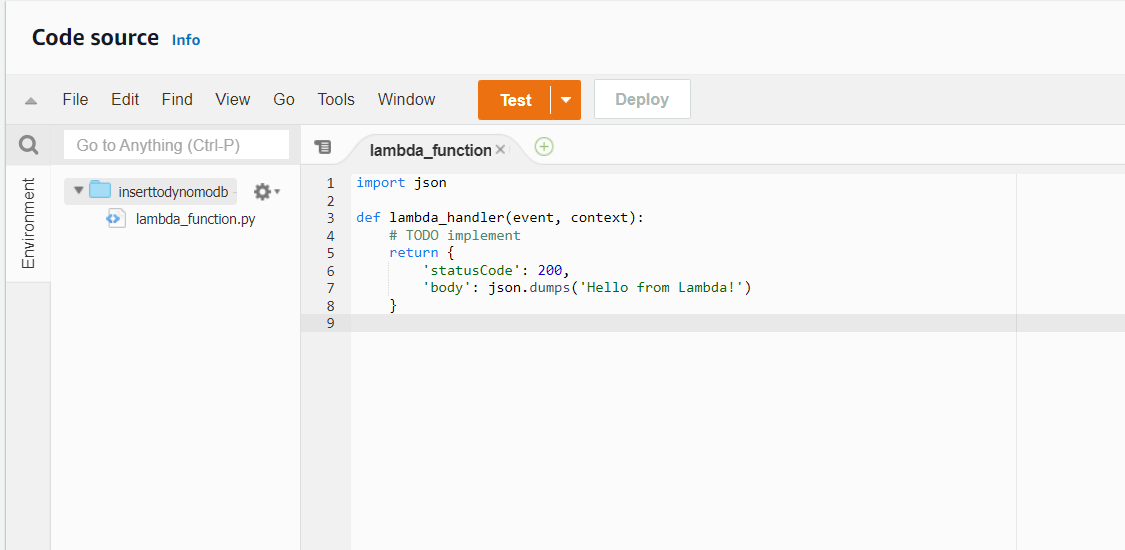
1. Create a function in lambda service

****

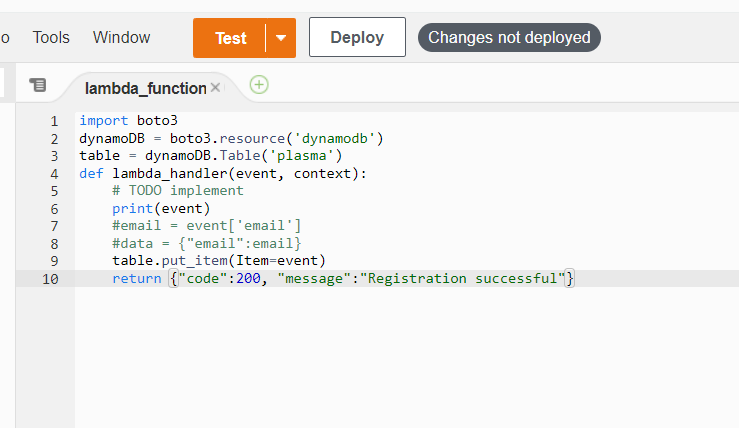
1. Now Create the function using the below information

****

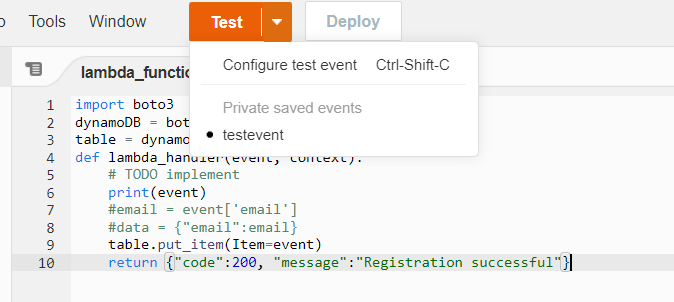
1. **Now we get the application layer**

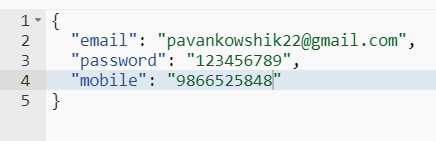
****

1. **Now follow the following changes**

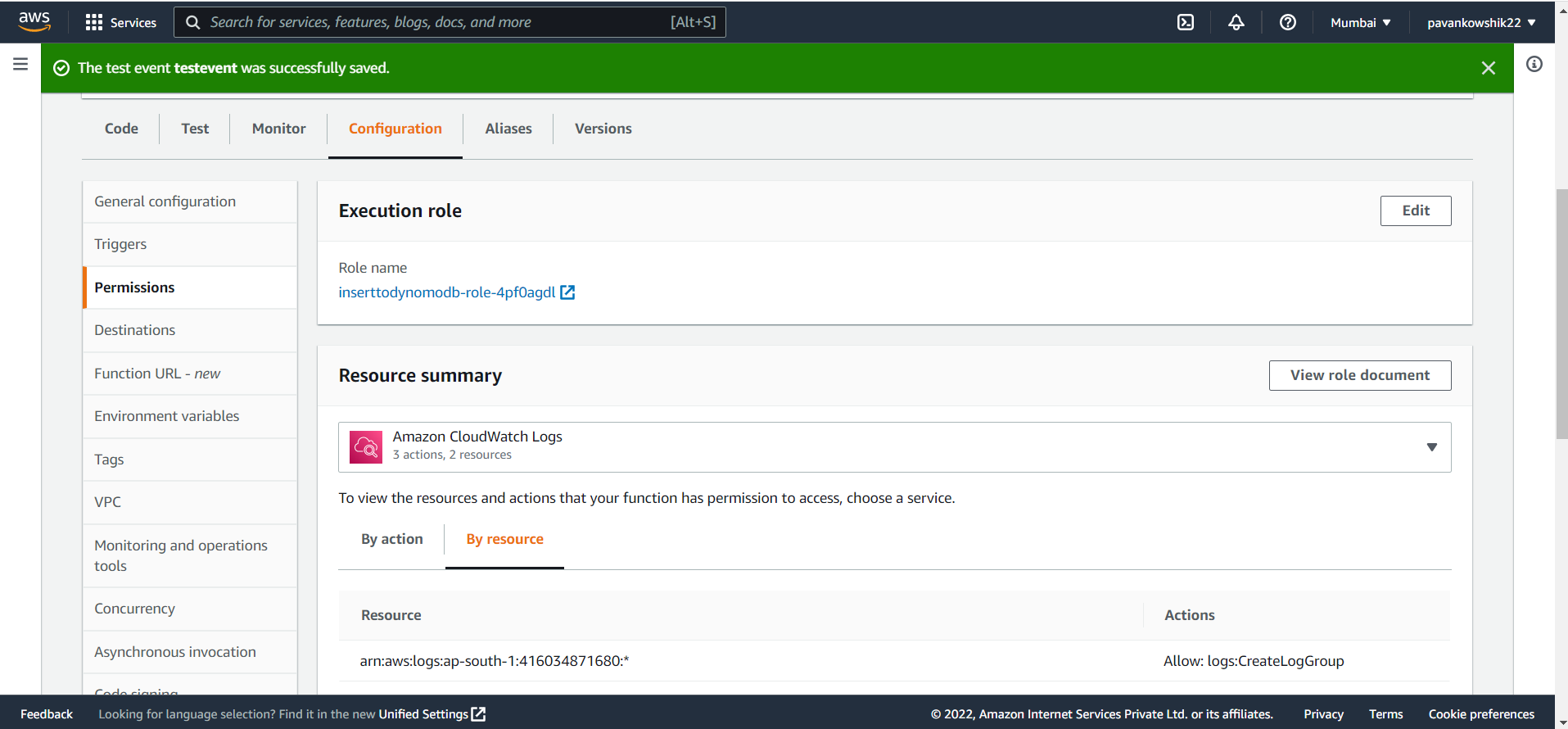
****

1. **Now click on Configure event and add the details as follows**

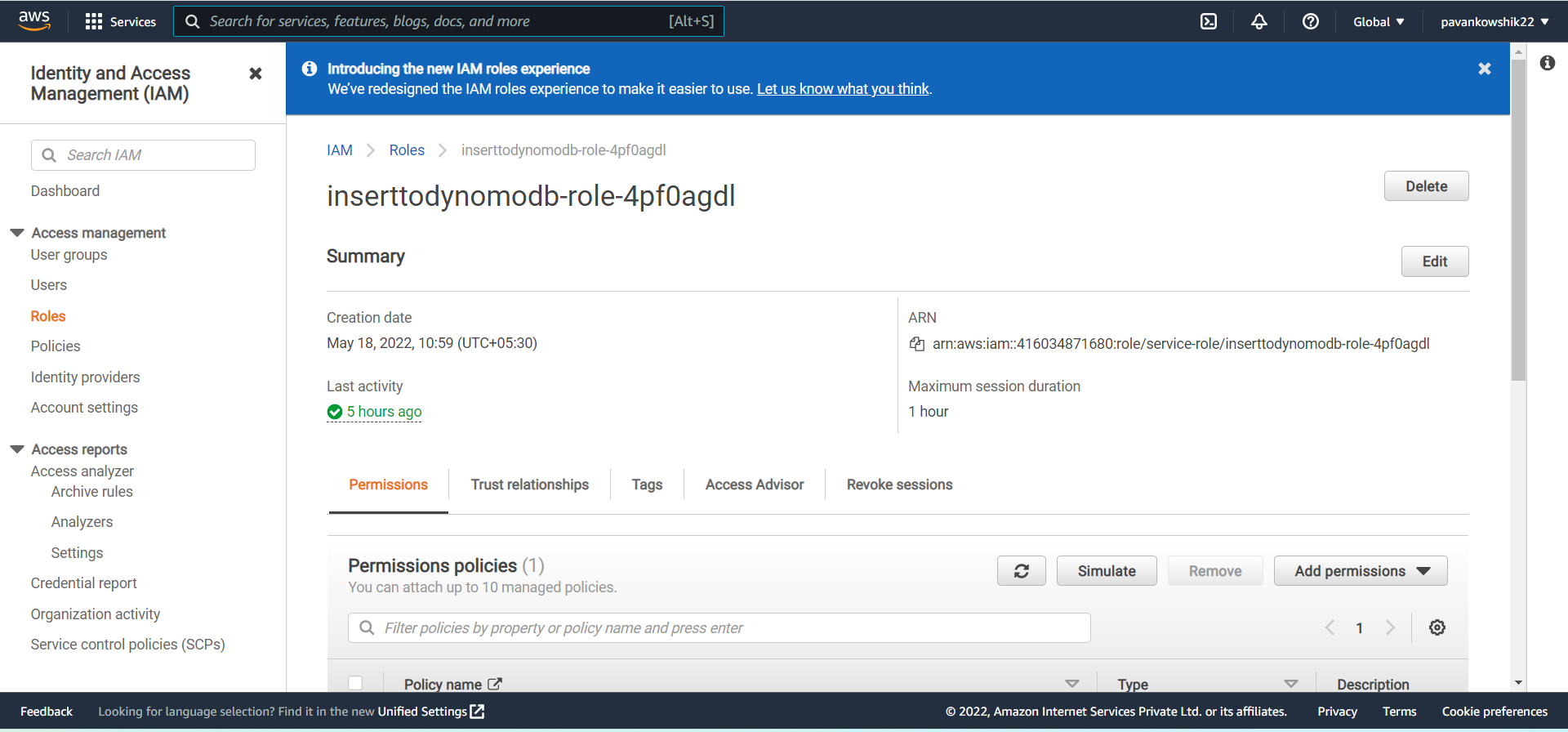
****

****

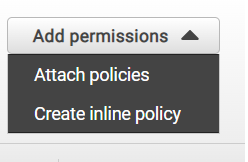
1. **Now we need to configure the event which we had created , to give access to the event and click on the link**

****

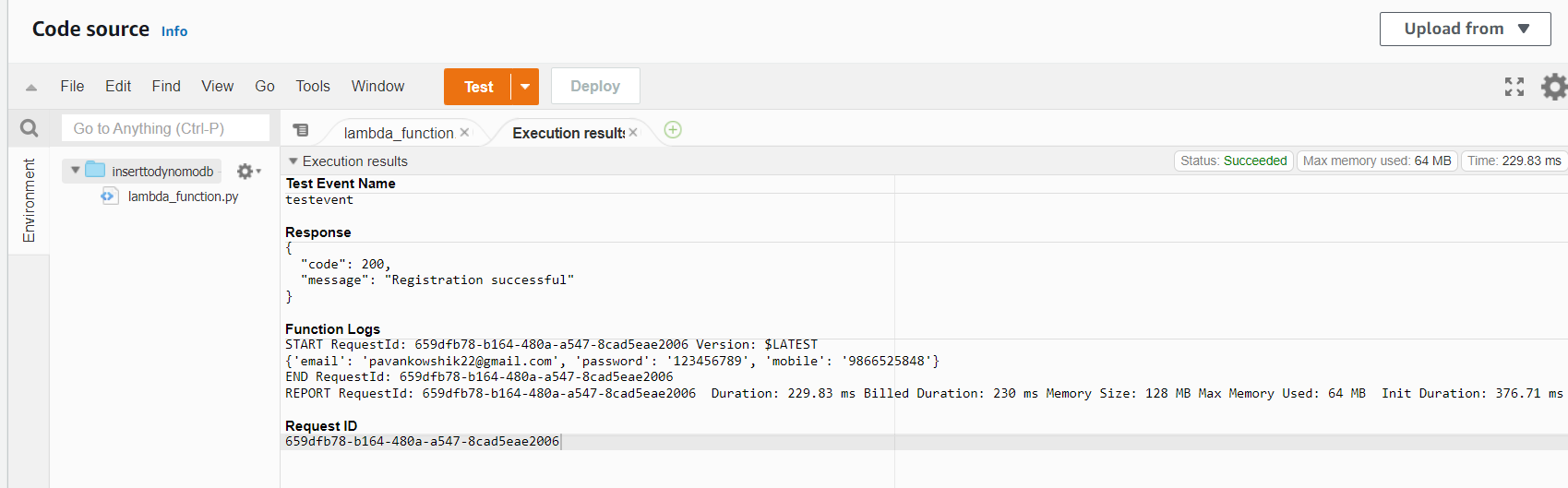
1. **Now the we need to attach the policy**

****

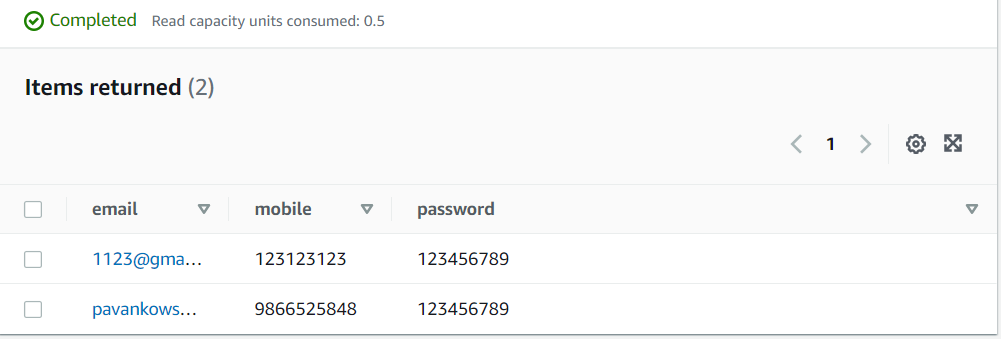
1. **Now click on attach policy and attach the policy**

**** ****

1. **Now go back to lambda service and click on code and test**

****

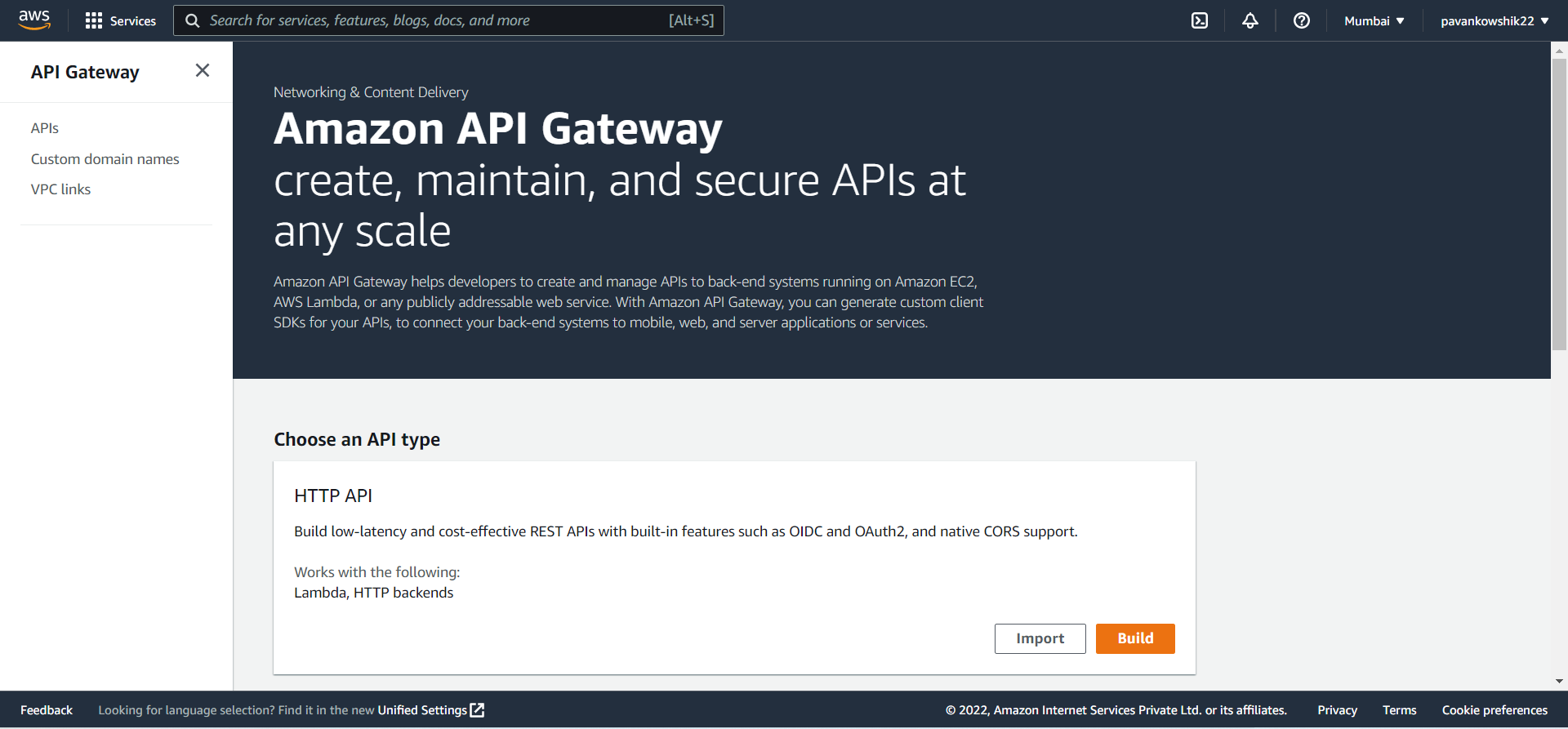
1. **Now goback to DynomoDB**

****

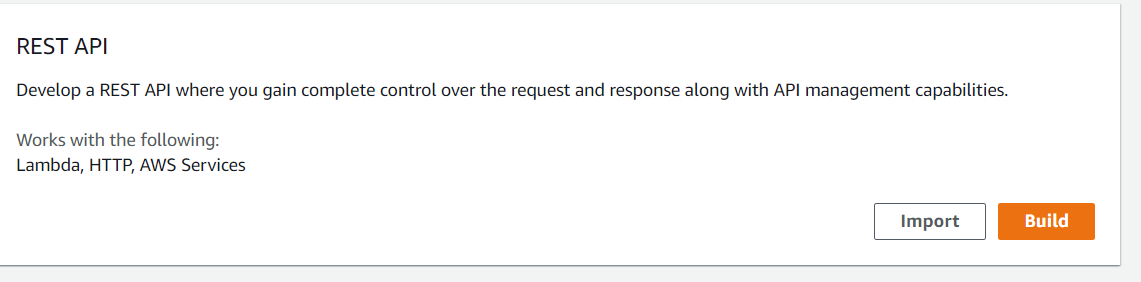
1. **So basically we have 2 services, DynamoDb and lambda , in lambda we actually write the logic part and triiger the lambda , it will push the values in DynamoDb**
2. **Always, we cannot click on trigger button, Now we need to do this through URL**

# ****Amazon API Gateway****

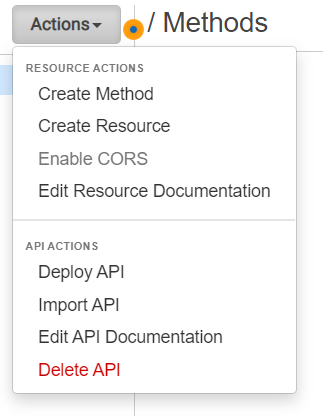
create, maintain, and secure APIs at any scale

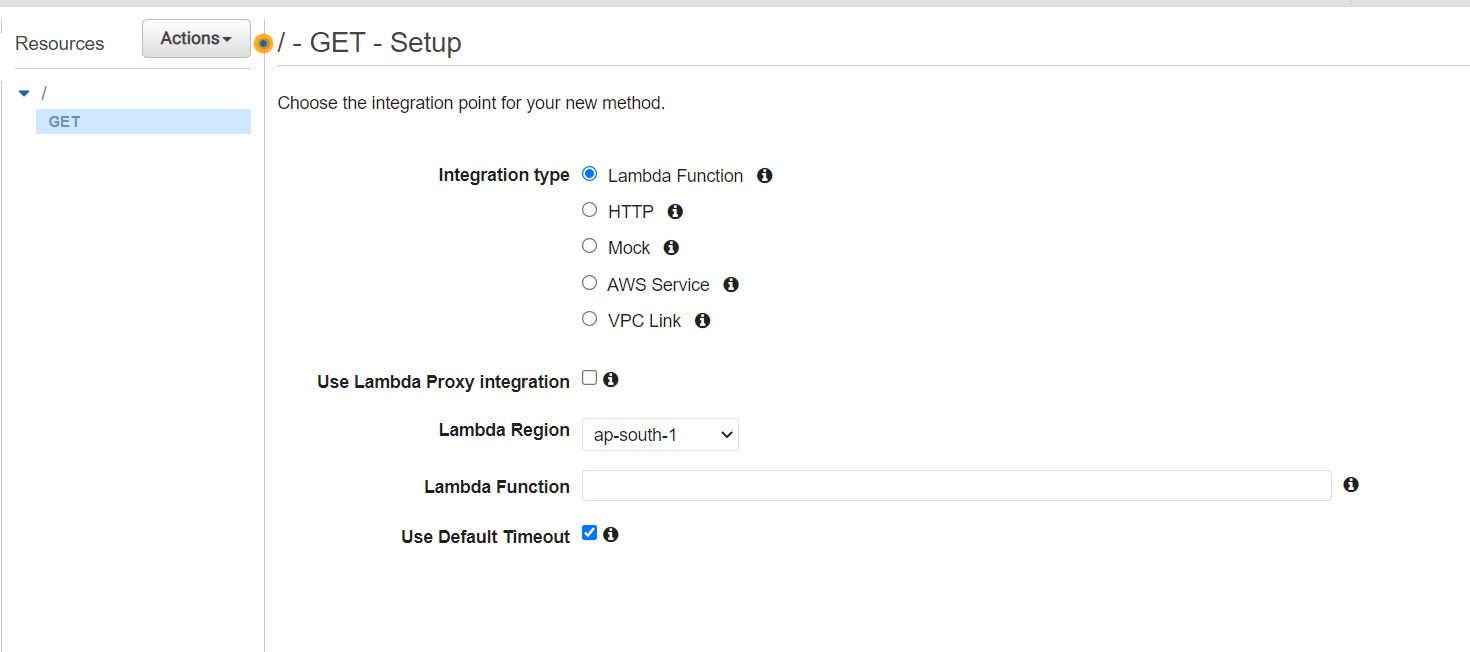
****

1. **Click on Rest API build and click on ok**

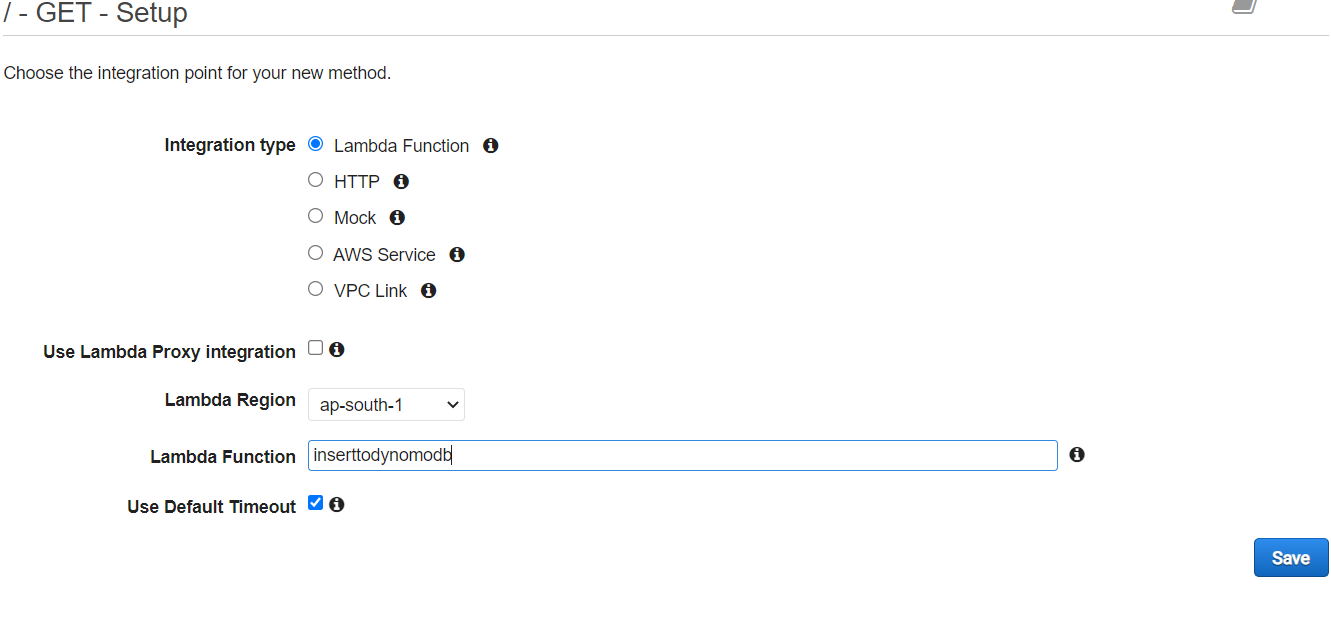
****

1. **Now click on Actions and Create Method**

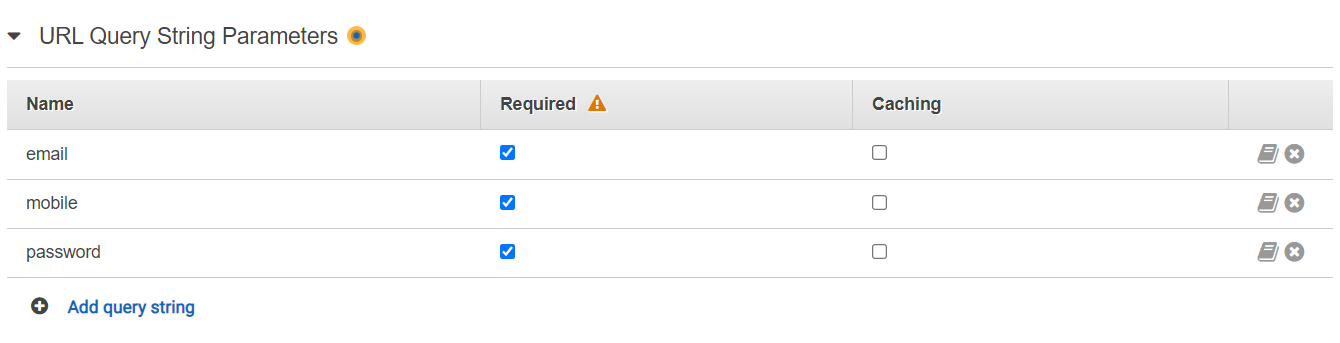
****

****

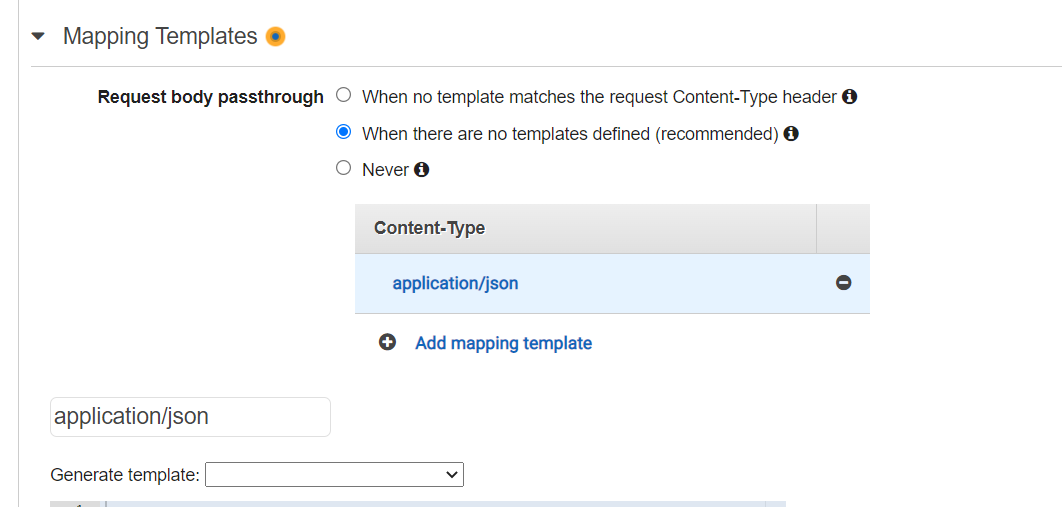
1. **Apply the following lambda function values as follows**

****

#### **Now click on Method request and select the URL Query String Parameters**

****

#### **Now click on integration request and click on Mapping Templates**

****

**{**

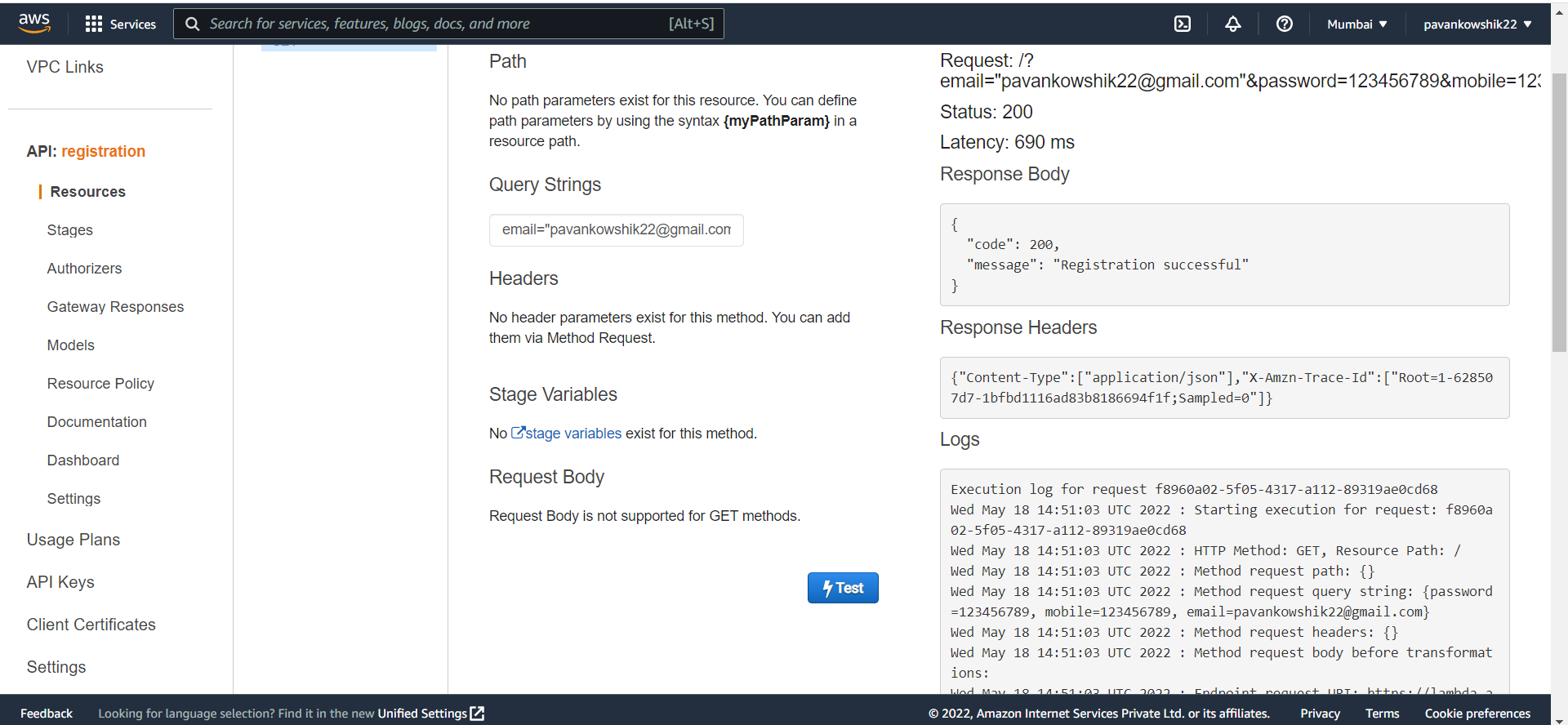
**"email": "$input.params('email')",**

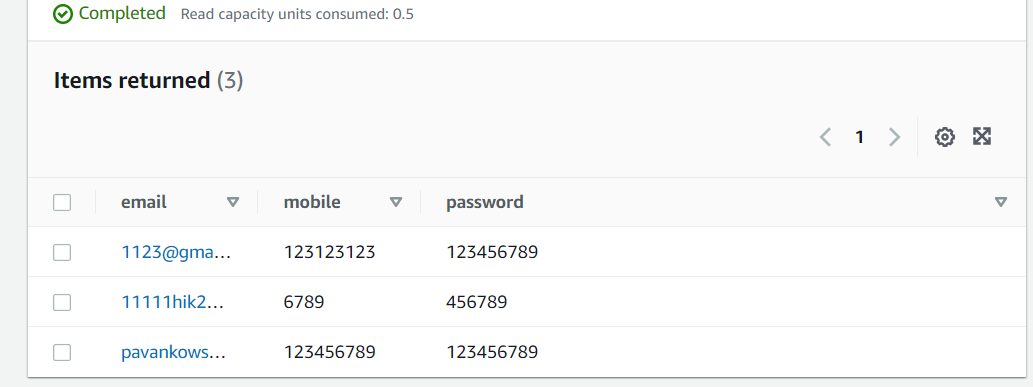
**"password": "$input.params('password')",**

**"mobile": "$input.params('mobile')"**

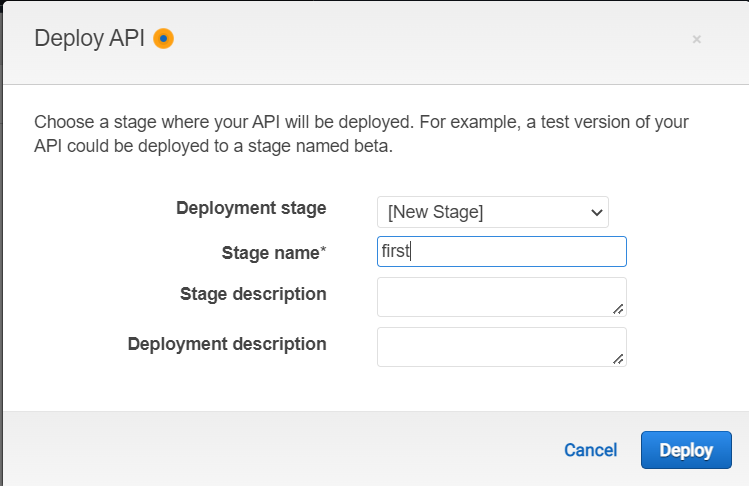
**}**

1. **Now click on Test button**

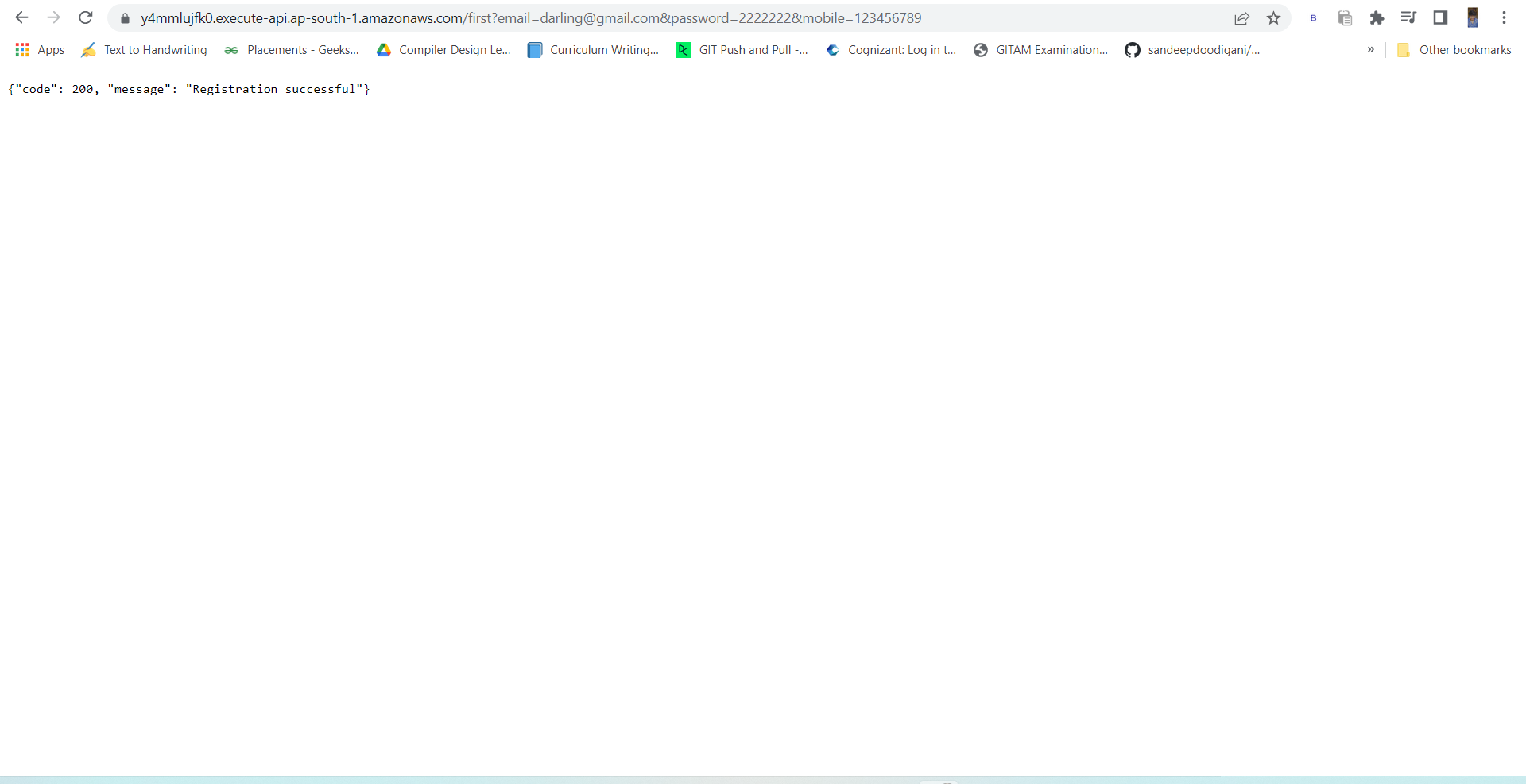
**email="11111hik22@gmail.com"&password=456789&mobile=6789**

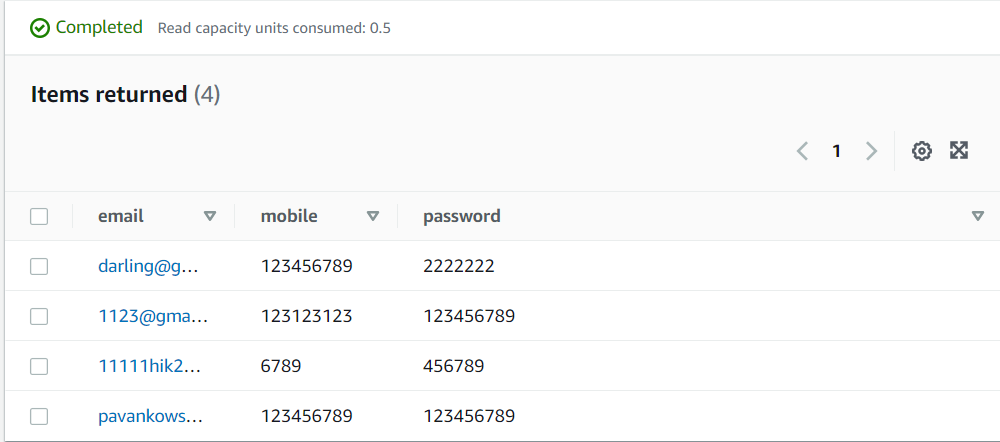
****

1. **Now click on Deploy Api**

****

[**https://y4mmlujfk0.execute-api.ap-south-1.amazonaws.com/first?email=darling@gmail.com&password=2222222&mobile=123456789**](https://y4mmlujfk0.execute-api.ap-south-1.amazonaws.com/first?email=darling@gmail.com&password=2222222&mobile=123456789)

****

****

1. **DynamoDb**
2. **Lambda**
3. **API Gateway**