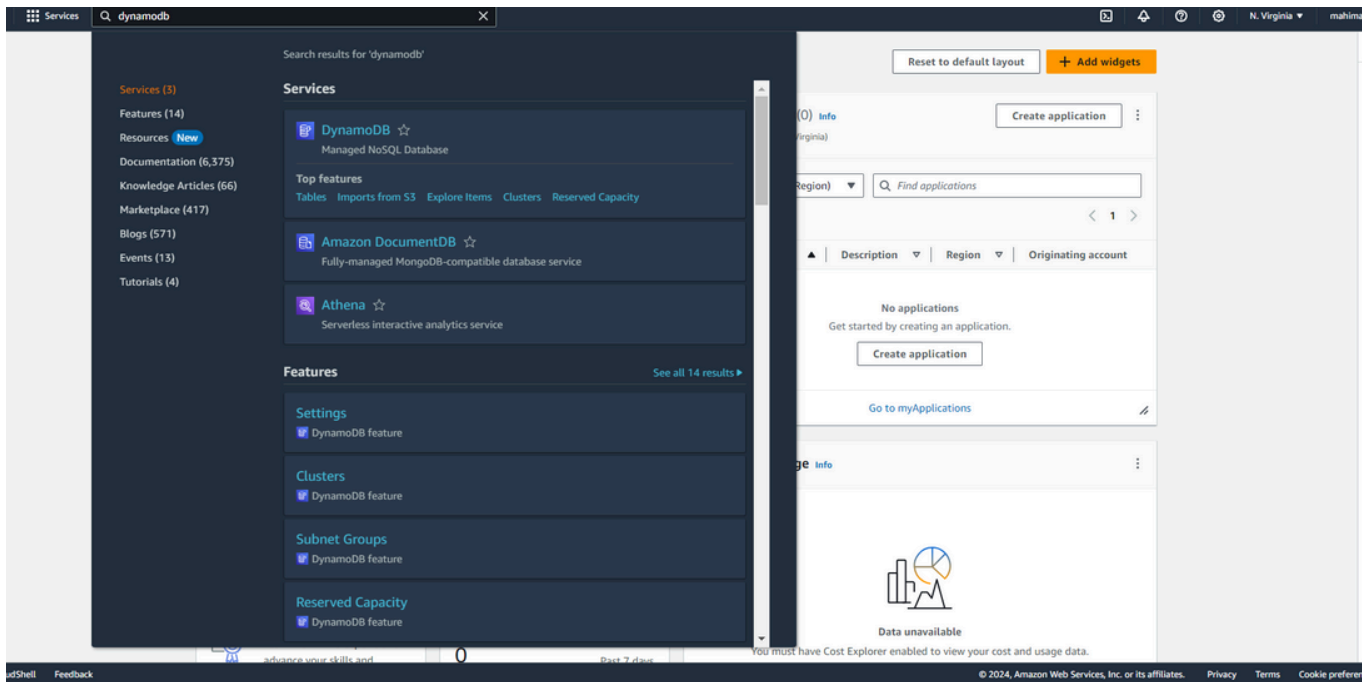
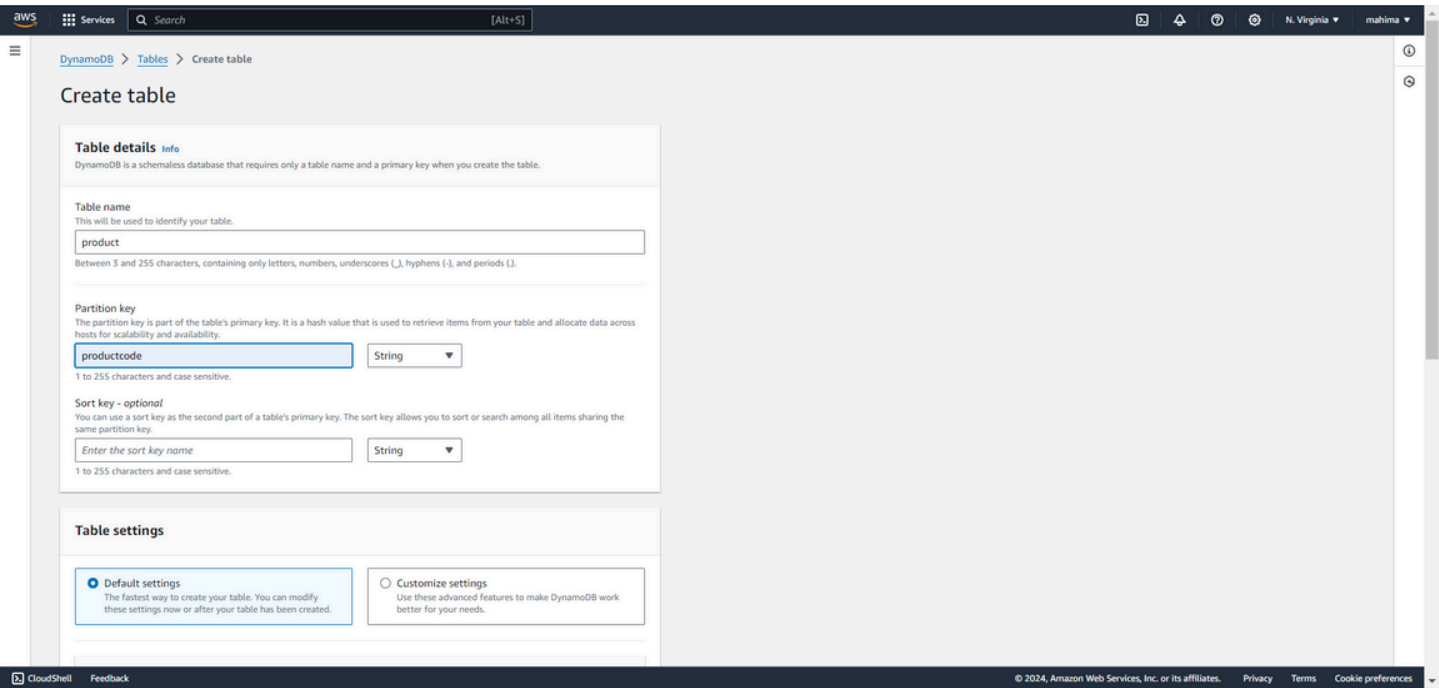


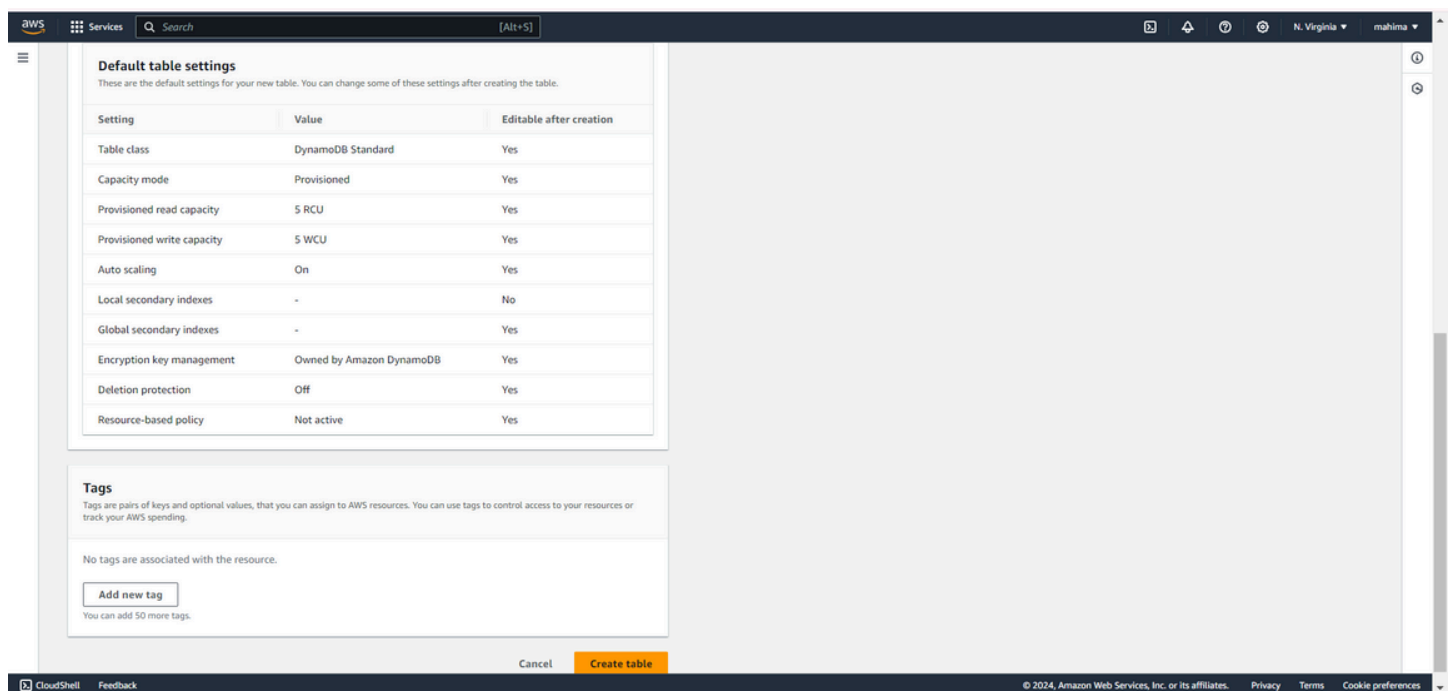
AWS PROJECT:SERVERLESS WEB HOSTING USING DYNAMODB,AWS LAMBDA,IAM ROLE AND AWS AMPLIFY.



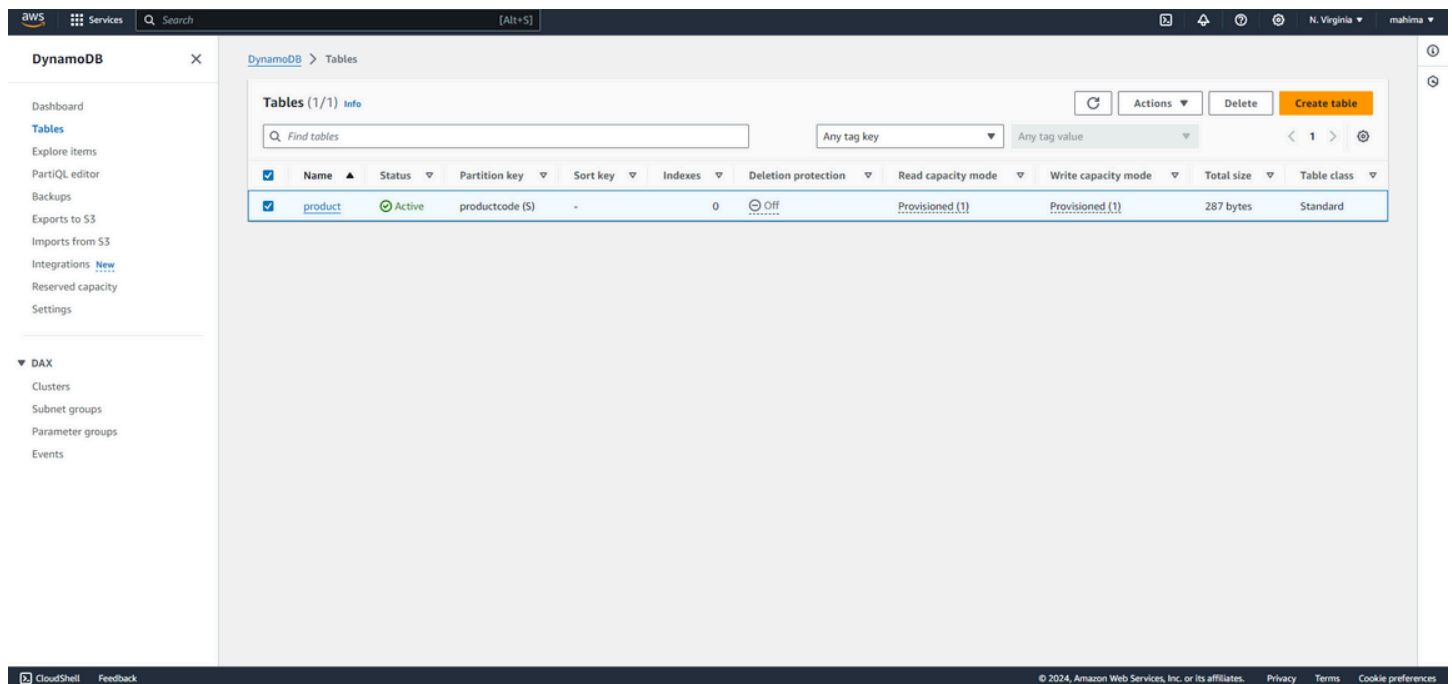
Create a Table in DynamoDB.Provide all the Table details like Table name,Partition key to perform efficient querying,indexing and to ensure scalability.



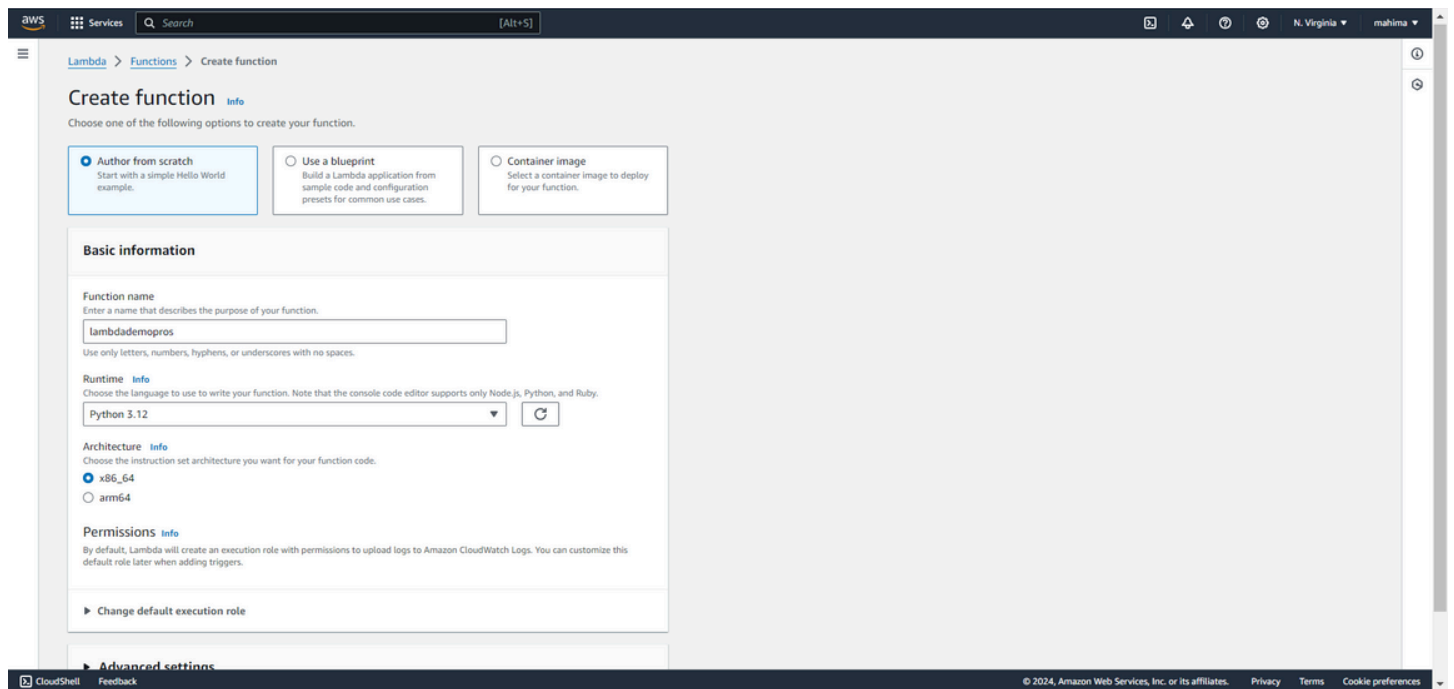
Keep the other options as default.



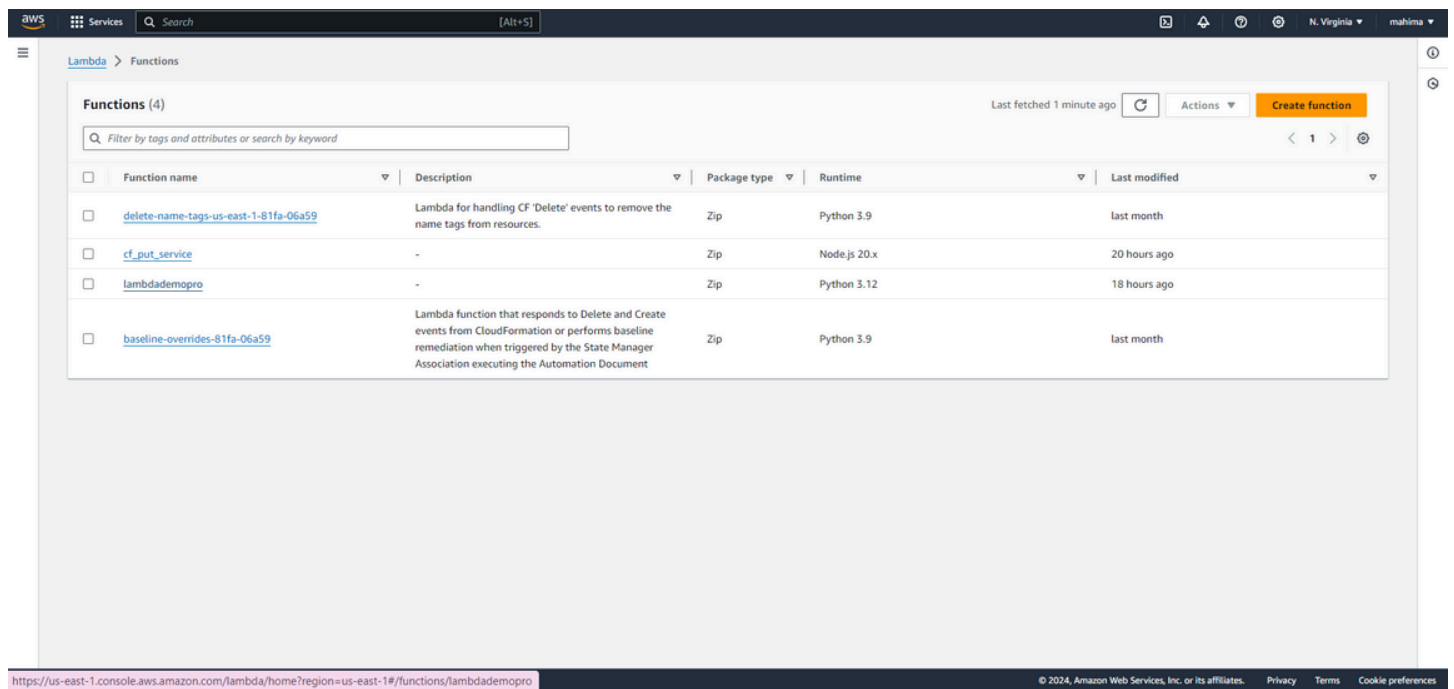
The Table “PRODUCT” was successfully created.



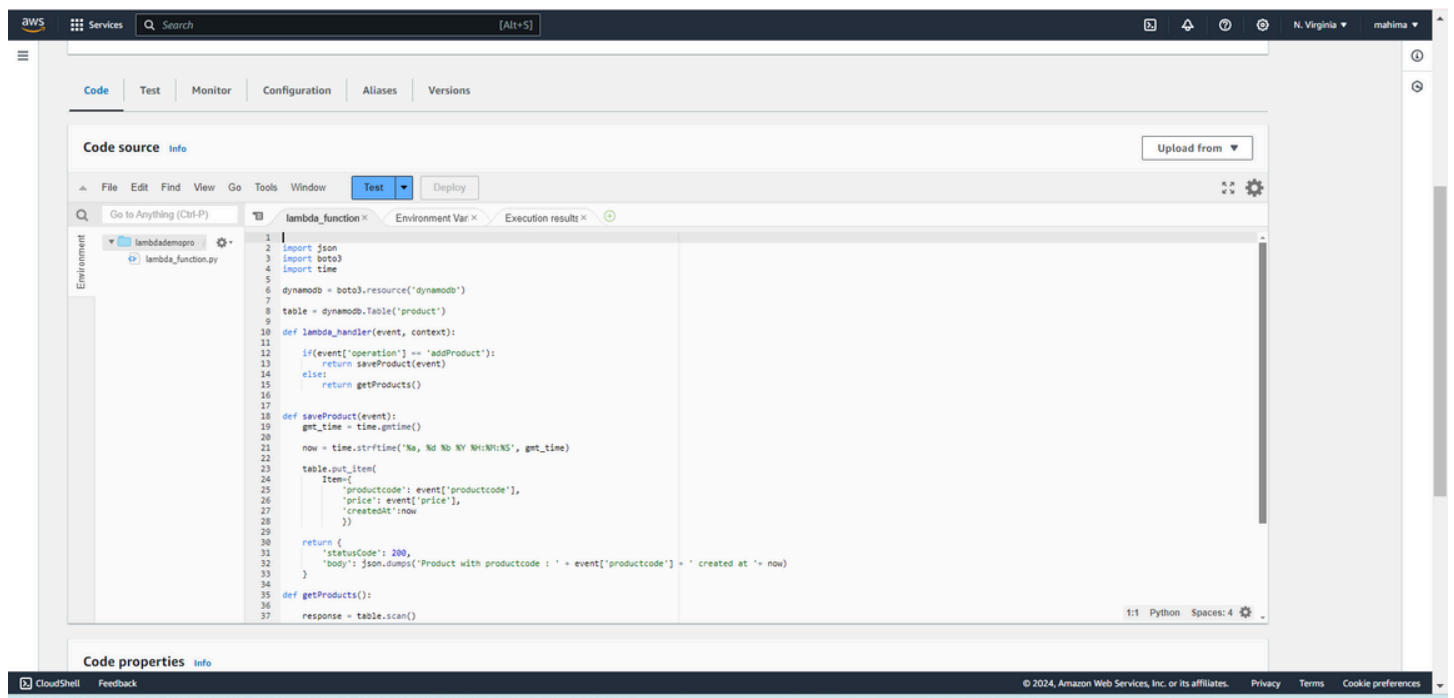
Go to Lambda service to create Function and Provide the basic information like Function name, Runtime (python, nodejs, etc..) and Architecture. Keep the other options as default.



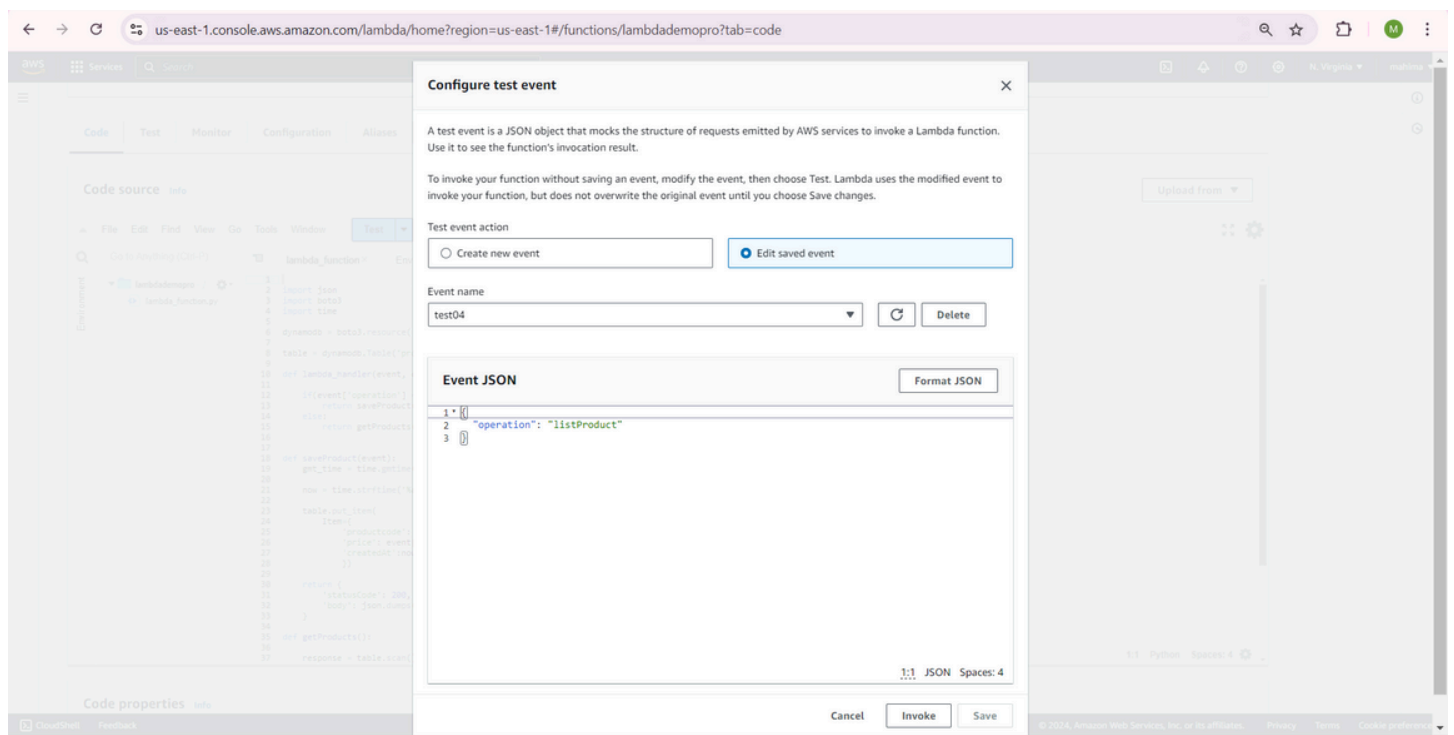
The function “Lambdademopro” is created Successfully.



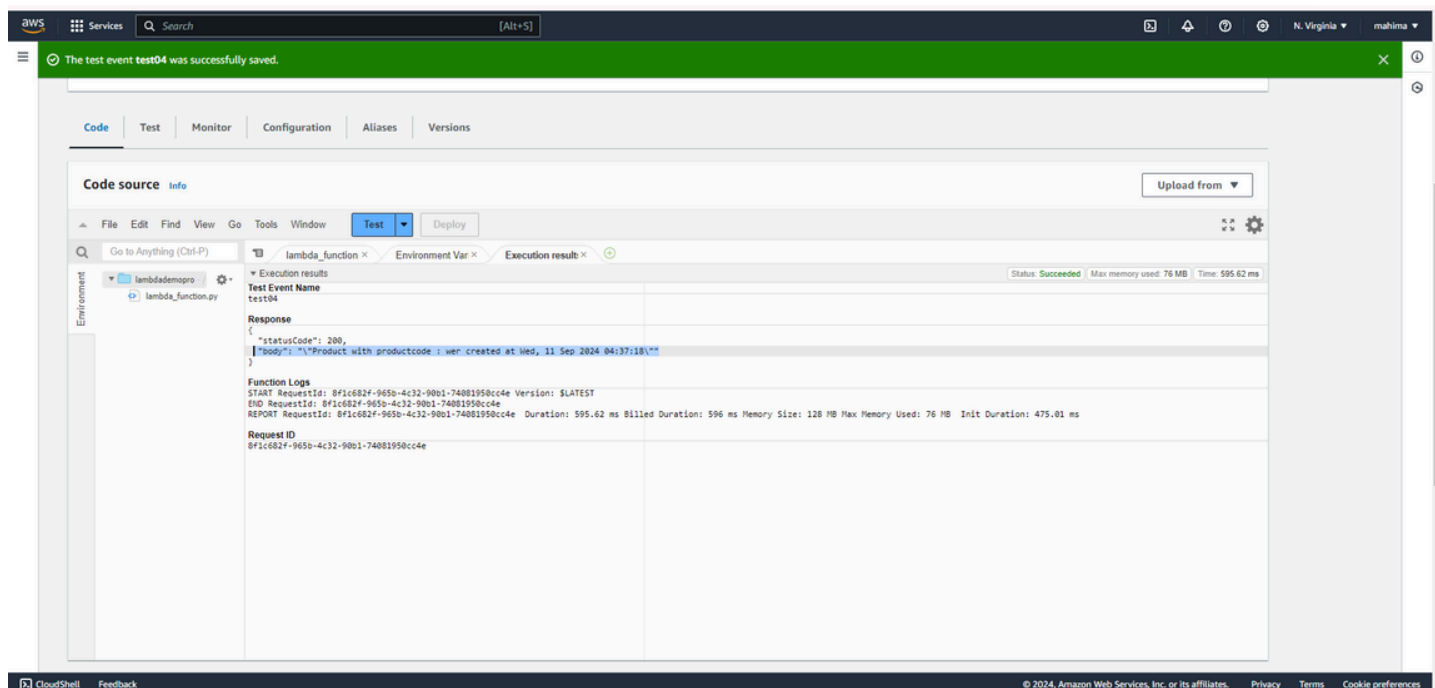
Go to code tab in that created function and provide the necessary code to add product and to list the product



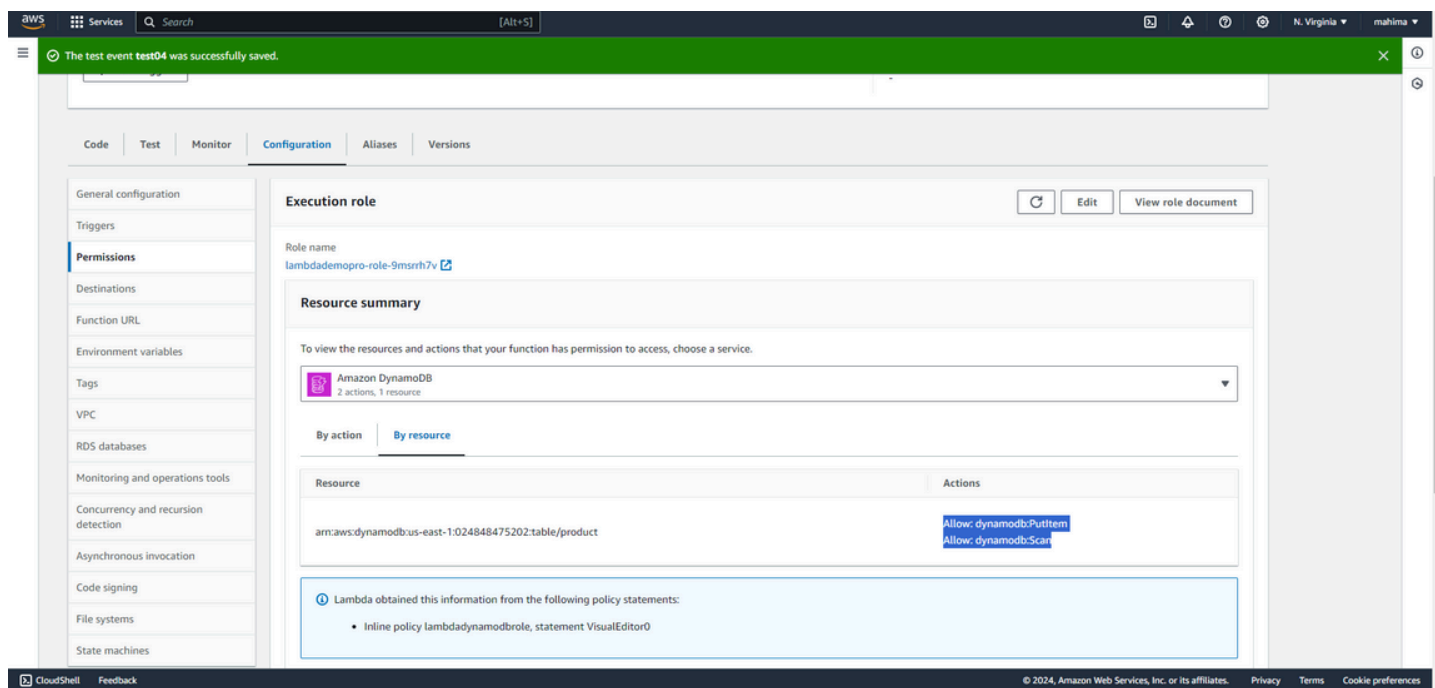
Before testing the code we need to deploy the changes and to test the code event is created with key value pairs if needed.



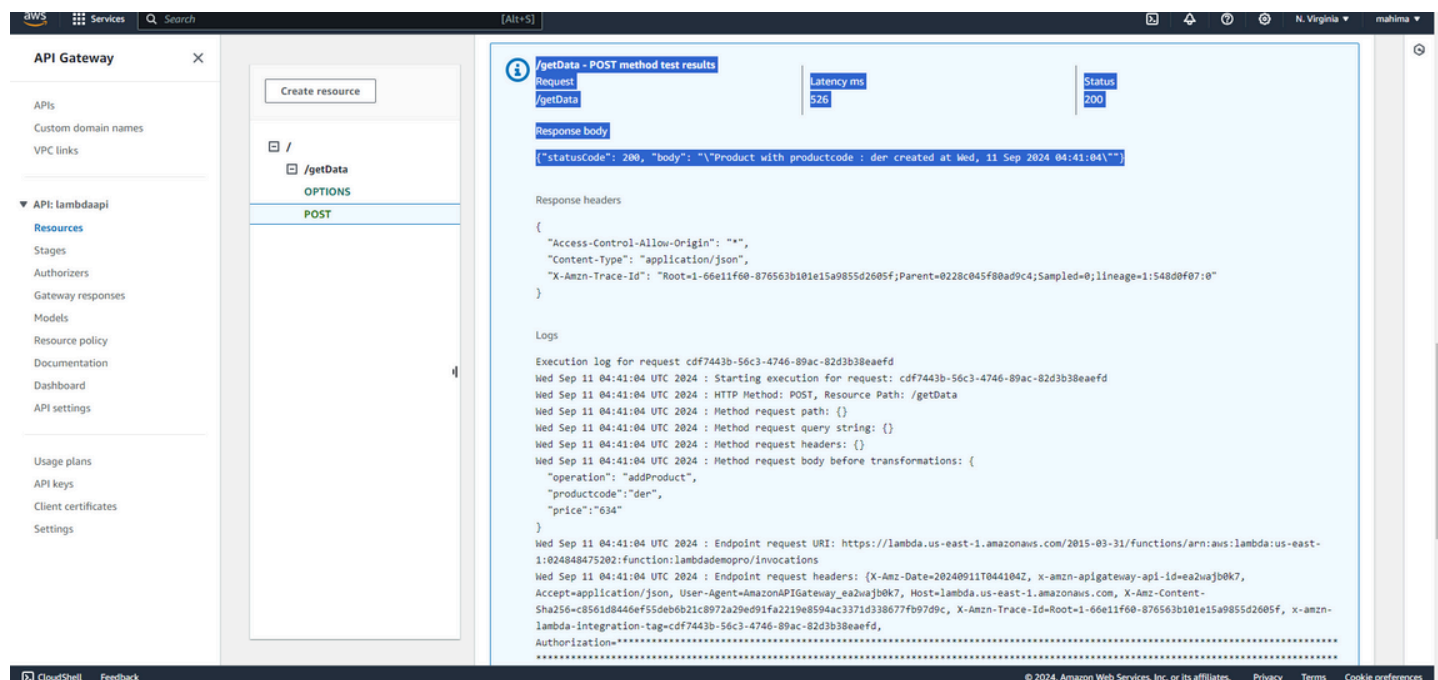
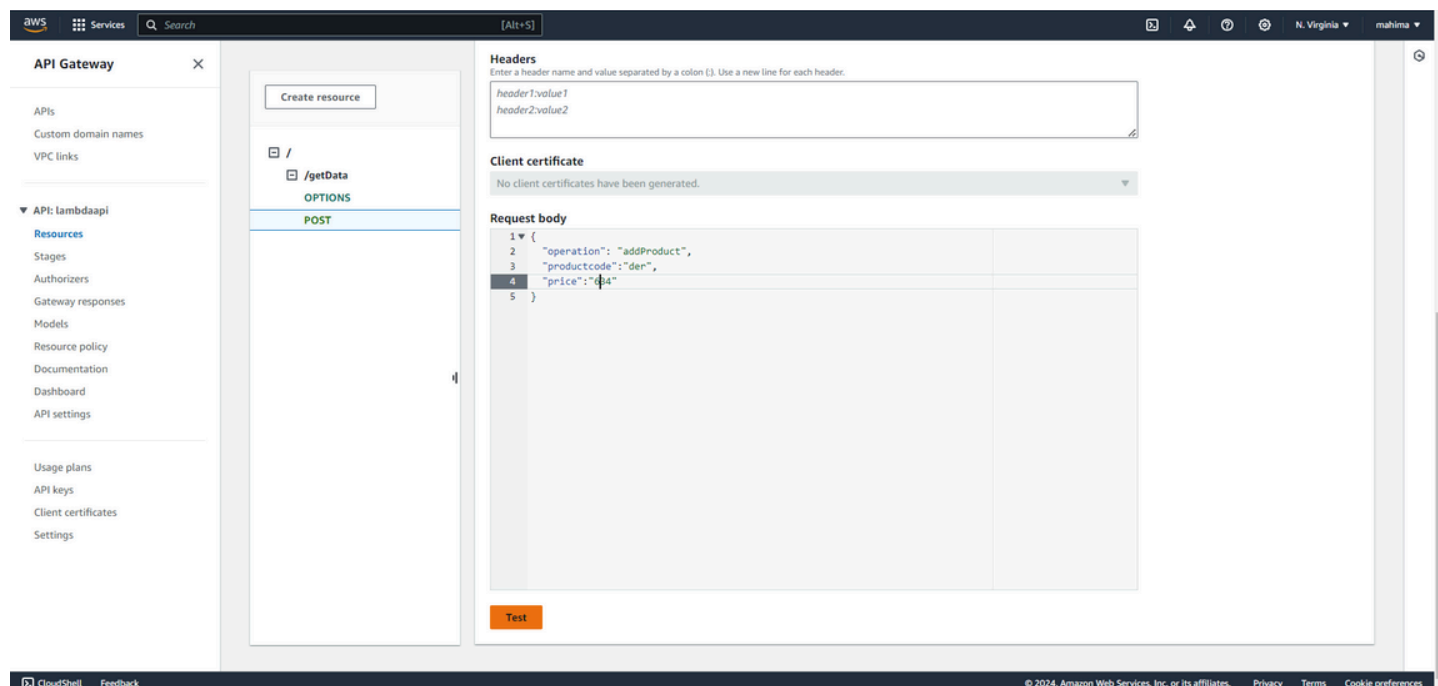
Execution result will appear after clicking to test the code and here I added the product with status code 200 which means the request handled successfully.



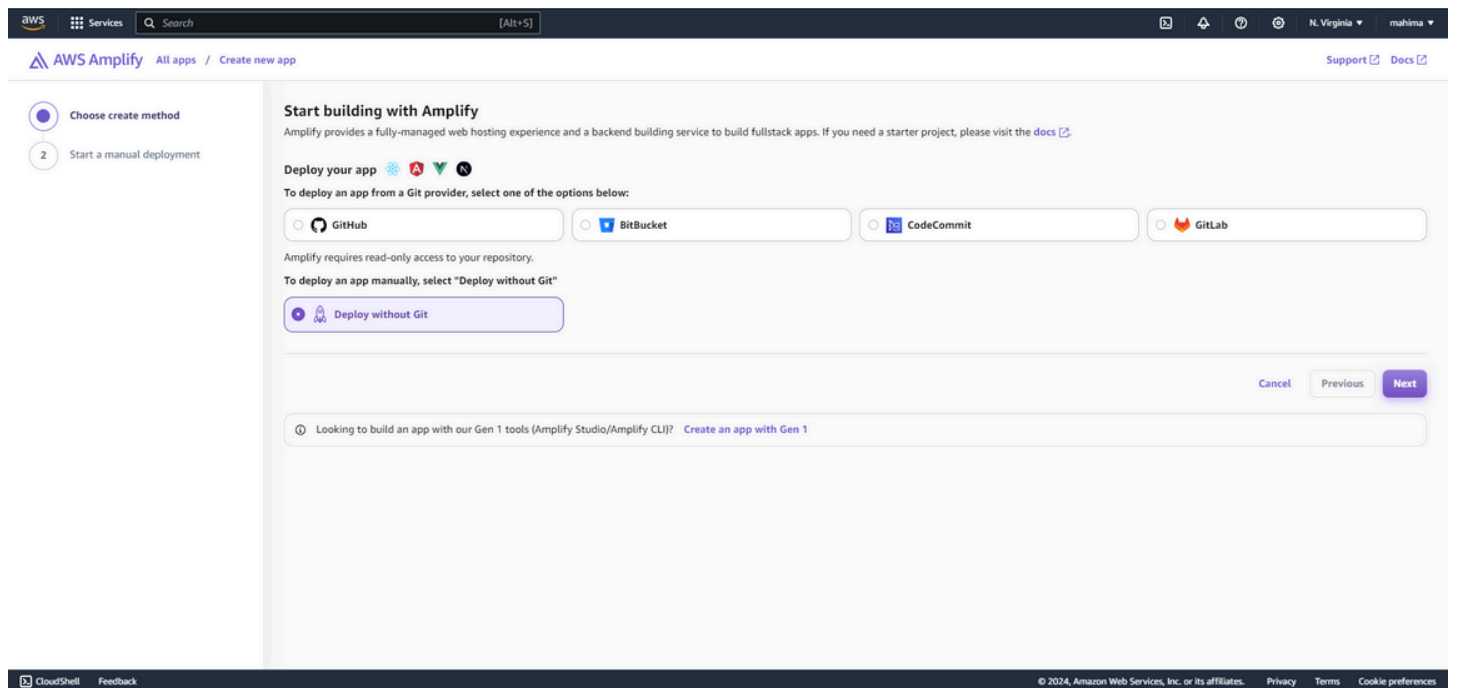
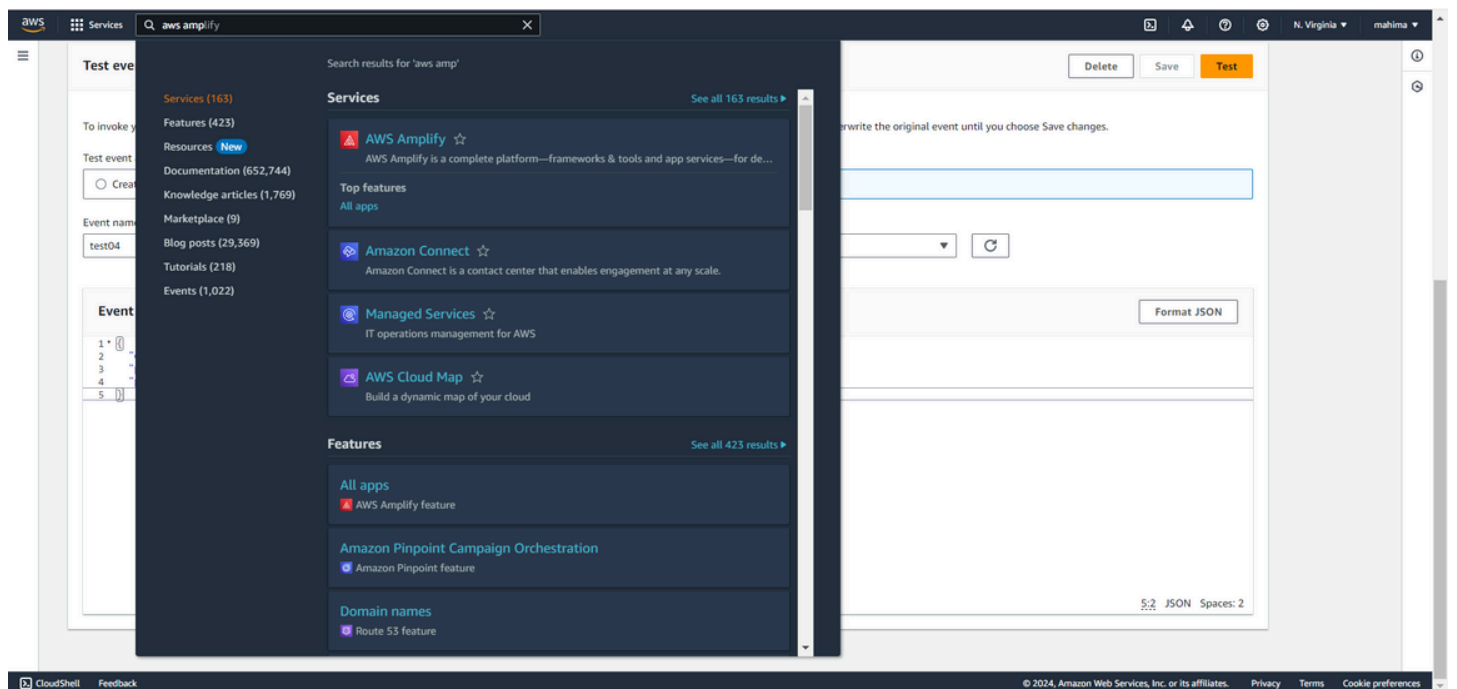
If the execution is not successful then we have to add certain permissions to execute the code. Here I created DynamoDB role to scan and put items.



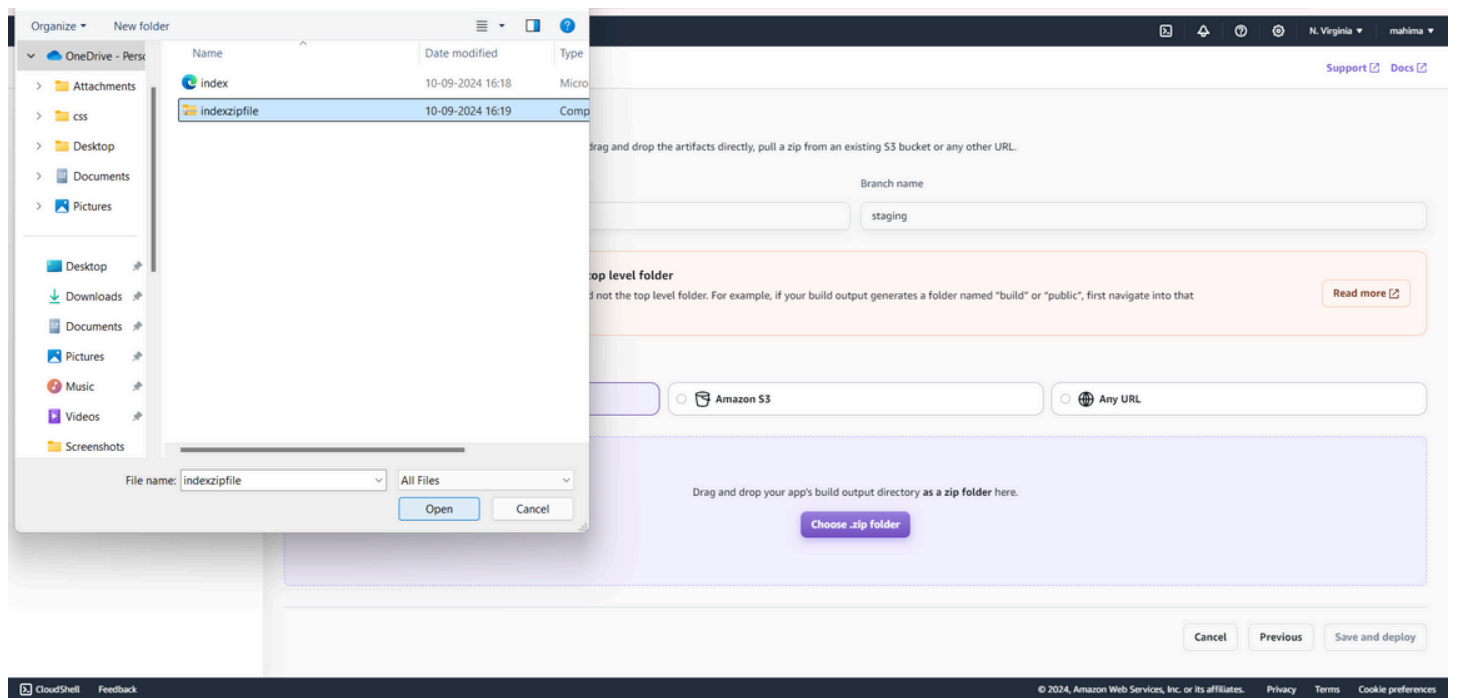
Go to API Gateway service in AWS Console Search Bar there we have to create resource and then we need to create method "POST" to send data to the server to create or update resources and to test, in the request body we can provide key value pairs of information to check whether everything is working fine or not.



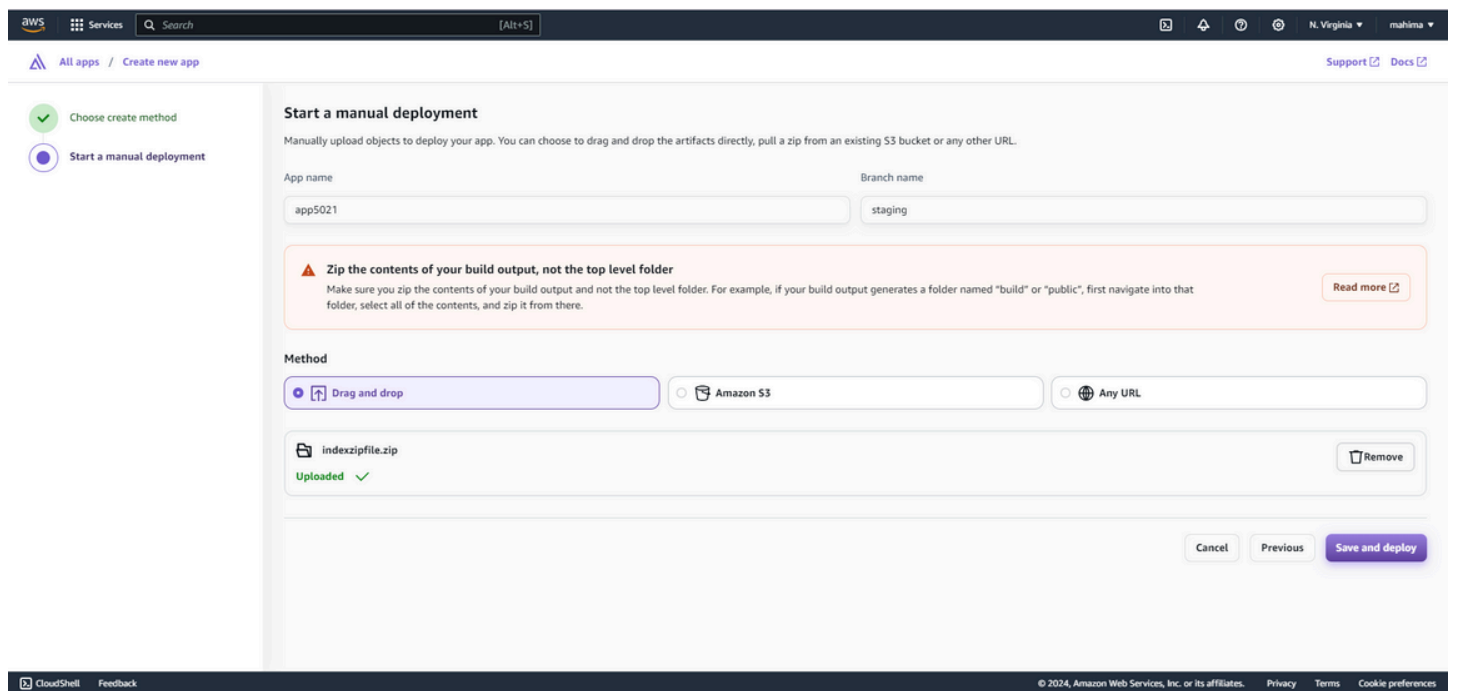
To Deploy the App,for Domain and Hosting “AWS AMPLIFY” is the best Service which is also provided by AWS.

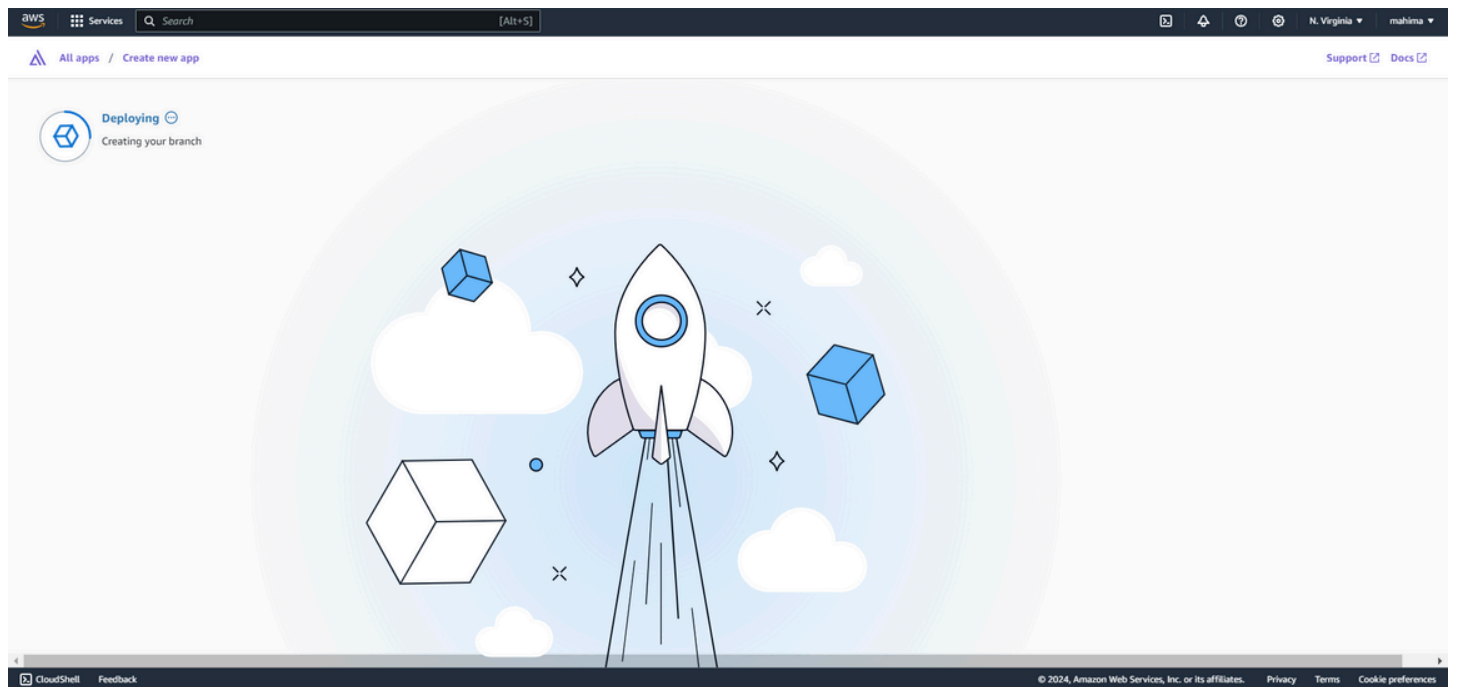


Upload the zip file to deploy the APP.

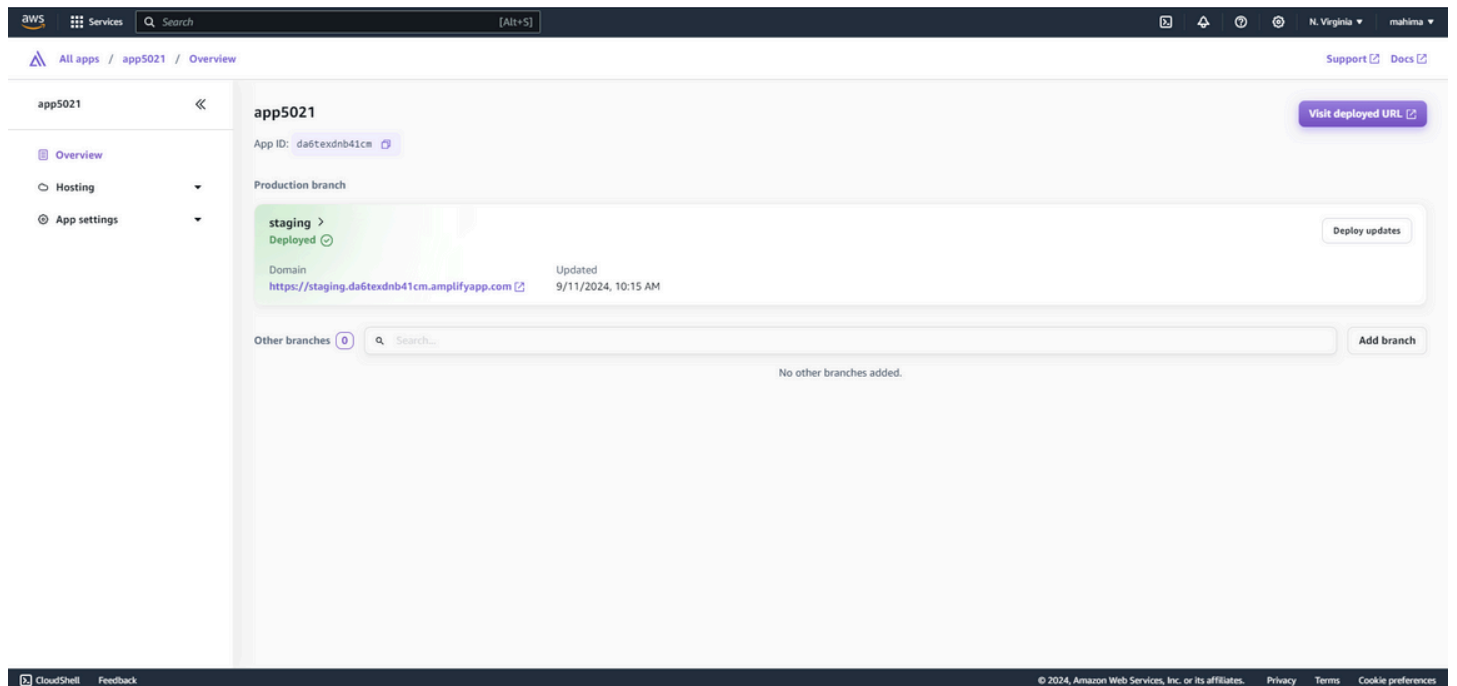


Click Save and Deploy.





The Domain will be Provided to Host the APP.



The interface will appear on browser where we can perform actions.

Add Product:

Product Code:

Price:

Add Product

Product List:

Product Code	Price	Created At
abc	123	Tue, 10 Sep 2024 10:03:17
abu	8790	Tue, 10 Sep 2024 11:11:01
111	2500000	Tue, 10 Sep 2024 12:21:56
gh	678	Tue, 10 Sep 2024 10:50:31
wer	234	Wed, 11 Sep 2024 04:37:18
345	567843	Tue, 10 Sep 2024 10:10:39
der	634	Wed, 11 Sep 2024 04:41:04

I tried to add one product which is added Successfully and the product list appears.

Add Product:

Product Code:

Price:

Product List:

Product Code	Price	Created At
abc	123	Tue, 10 Sep 2024 10:03:17
abu	8790	Tue, 10 Sep 2024 11:11:01
111	2500000	Tue, 10 Sep 2024 12:21:56
gh	678	Tue, 10 Sep 2024 10:50:31
wer	234	Wed, 11 Sep 2024 04:37:18
345	567843	Tue, 10 Sep 2024 10:10:39
der	634	Wed, 11 Sep 2024 04:41:04

staging.da6texdnb41cm.amplifyapp.com says

"Product with productcode : sau created at Wed, 11 Sep 2024 04:46:56"

OK

Add Product:

Product Code: Price:

Product List:

Product Code	Price	Created At
abc	123	Tue, 10 Sep 2024 10:03:17
abu	8790	Tue, 10 Sep 2024 11:11:01
sau	878	Wed, 11 Sep 2024 04:46:56
111	2500000	Tue, 10 Sep 2024 12:21:56
gh	678	Tue, 10 Sep 2024 10:50:31
wer	234	Wed, 11 Sep 2024 04:37:18
345	567843	Tue, 10 Sep 2024 10:10:39
der	634	Wed, 11 Sep 2024 04:41:04

The product is Successfully added in the DynamoDb Database.

Services

Search

Filter tables

product

Dashboard

Tables

Explore items

PartiQL editor

Backups

Exports to S3

Imports from S3

Integrations New

Reserved capacity

Settings

▼ DAX

Clusters

Subnet groups

Parameter groups

Events

Scan

Query

Select a table or index

Table - product

Select attribute projection

All attributes

Filters

Run

Reset

Completed. Read capacity units consumed: 0.5

Items returned (8)

Actions

Create item

productcode (String)

createdAt

price

abc

Tue, 10 Sep...

123

abu

Tue, 10 Sep...

8790

sau

Wed, 11 Se...

878

111

Tue, 10 Sep...

2500000

gh

Tue, 10 Sep...

678

wer

Wed, 11 Se...

234

345

Tue, 10 Sep...

567843

der

Wed, 11 Se...

634

CloudShell

Feedback

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