

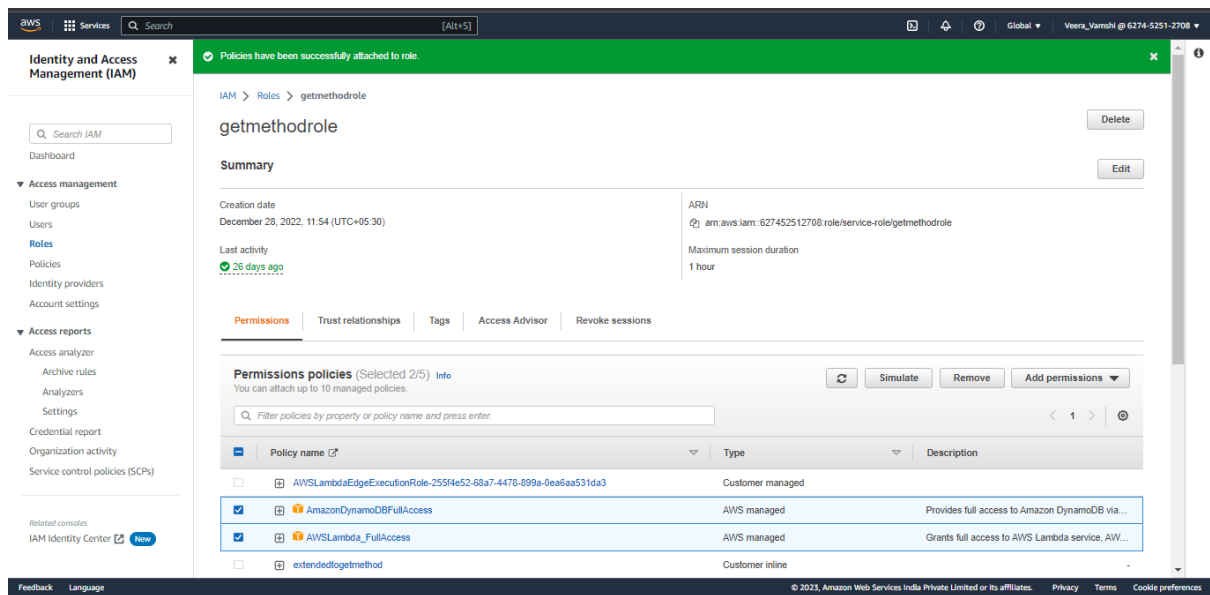
CSC PRACTICAL – 08

Name: K.Nitin reddy

ID no: 2000030510

Sec: 13

Create role:



Create and Integrate Lambda to API:

Code:

```
use strict' const AWS = require('aws-sdk');

AWS.config.update({ region: "us-east-1"});

exports.handler = async(event, context) => { const db = new AWS.DynamoDB({
  apiVersion: "2012-10-08"});

const documentClient = new AWS.DynamoDB.DocumentClient({ region: "us-east1"});

const params = { TableName: "Student", Key: { id: "9876" } }

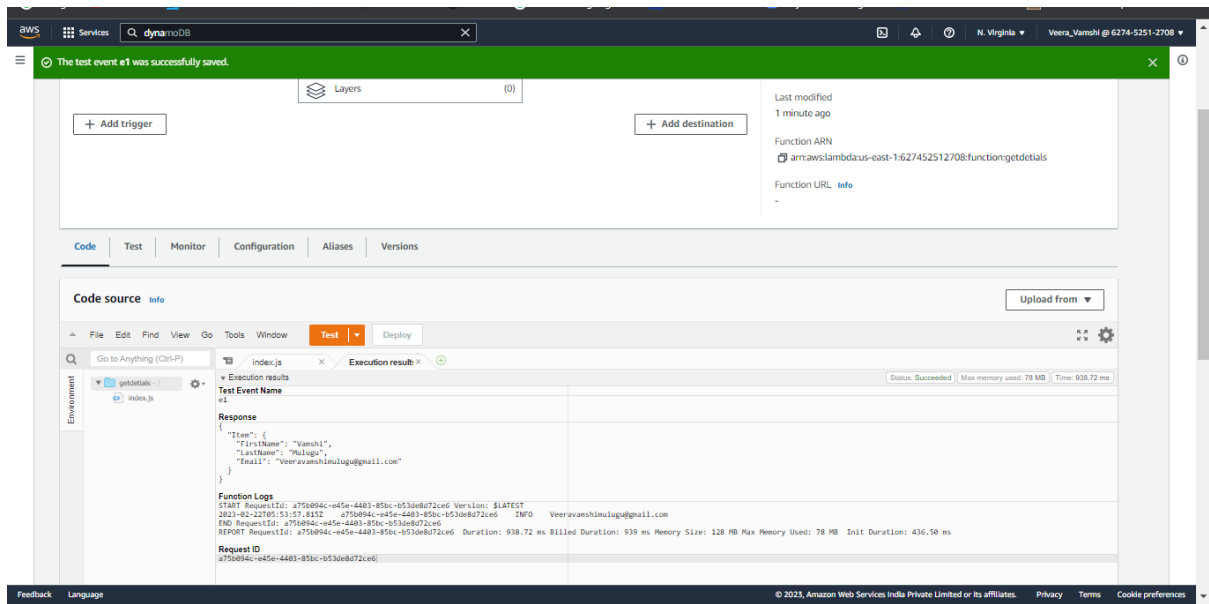
try { const data = await documentClient.get(params).promise();

  console.log(data);

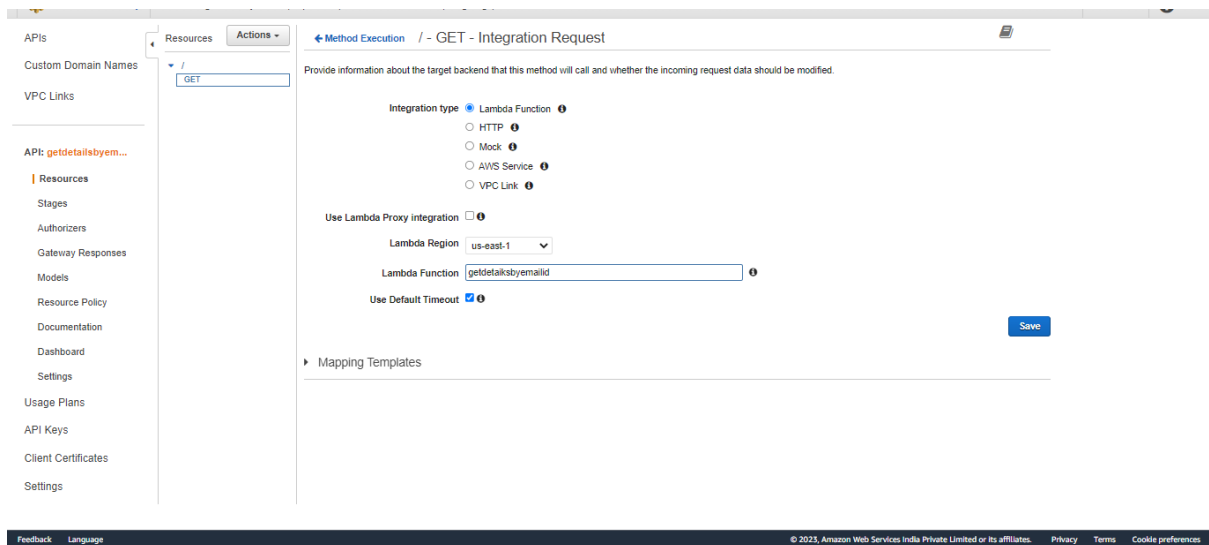
}

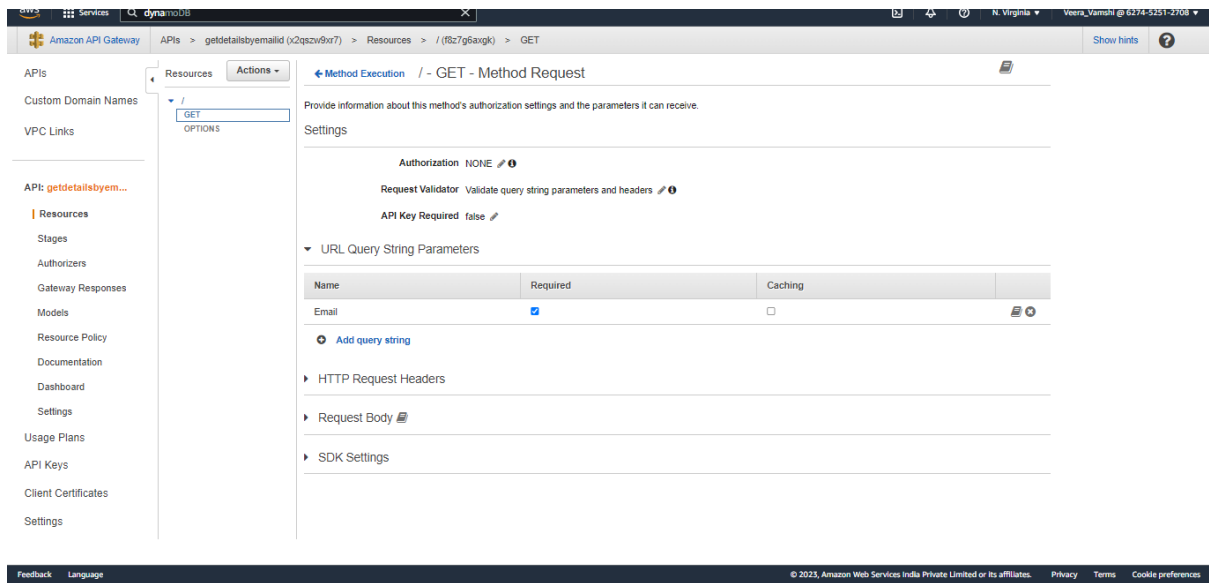
catch(err) {console.log(err); } }
```

Test it:

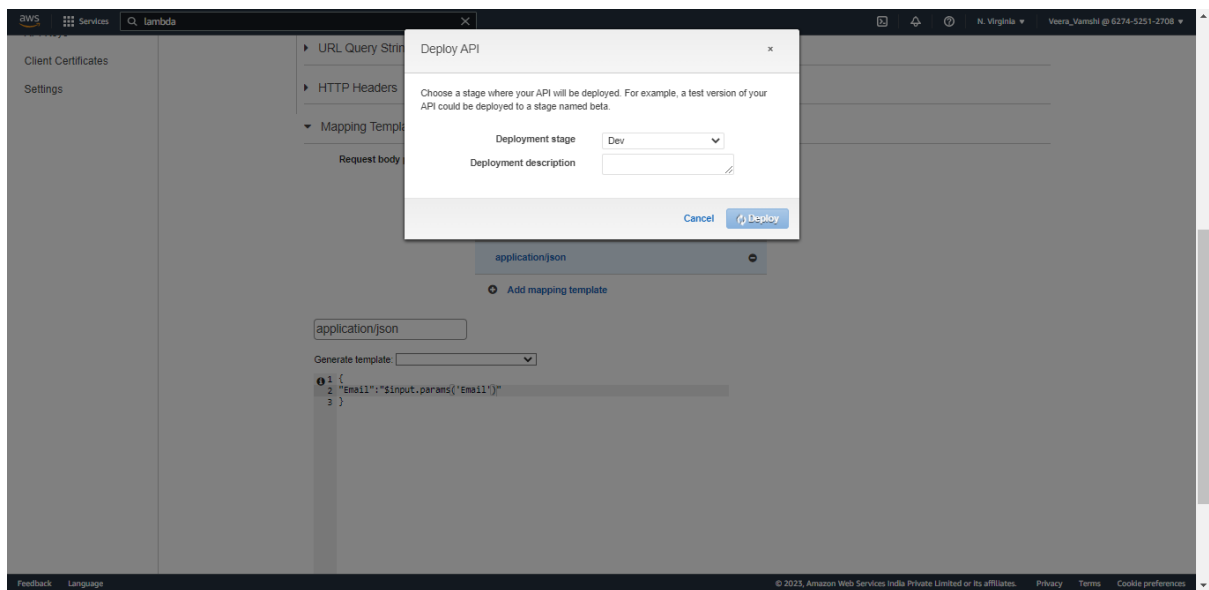


Integrate with API Gateway:

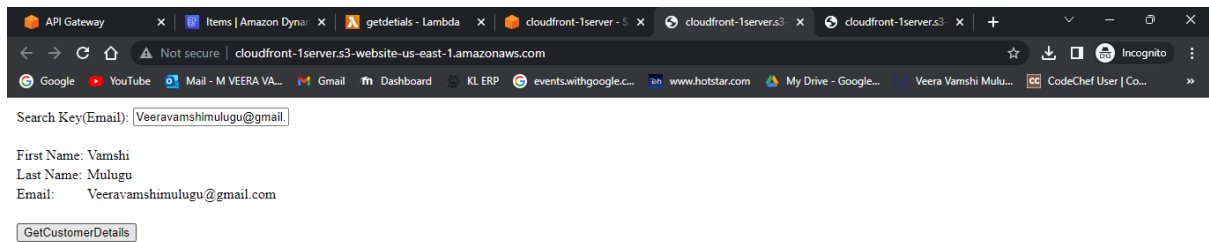




Similarly, deploy API:

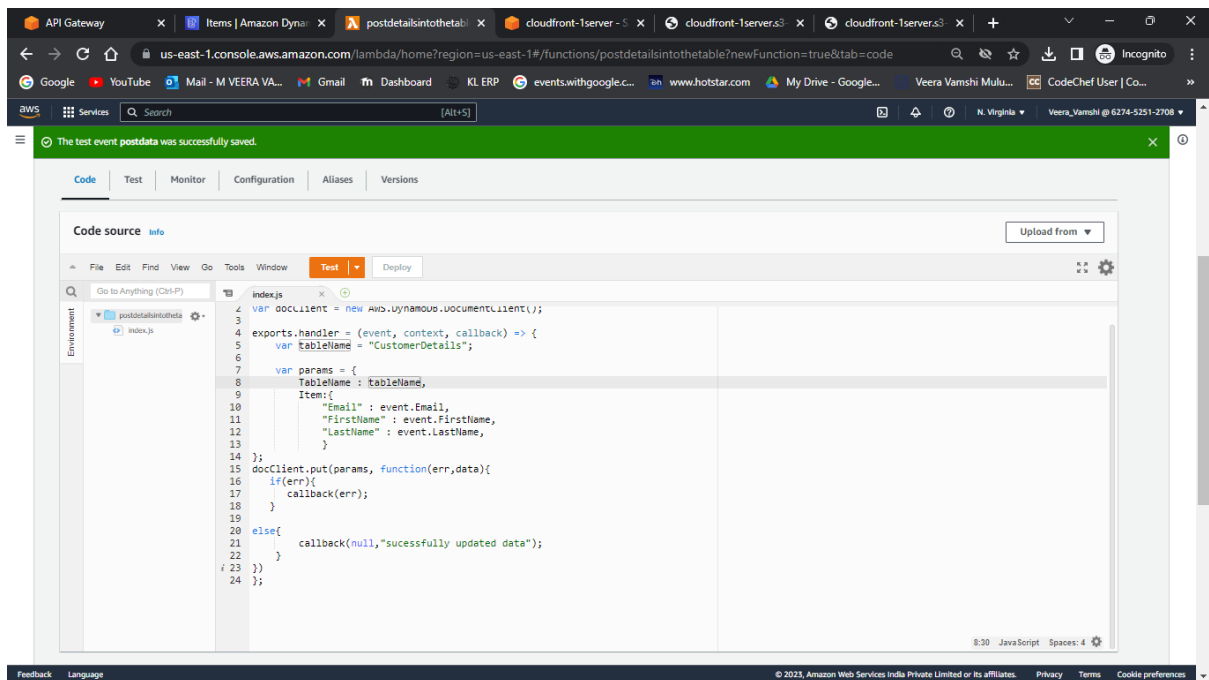


Adding files into the s3 and hosting it and data is being retrieved from the database based on email:

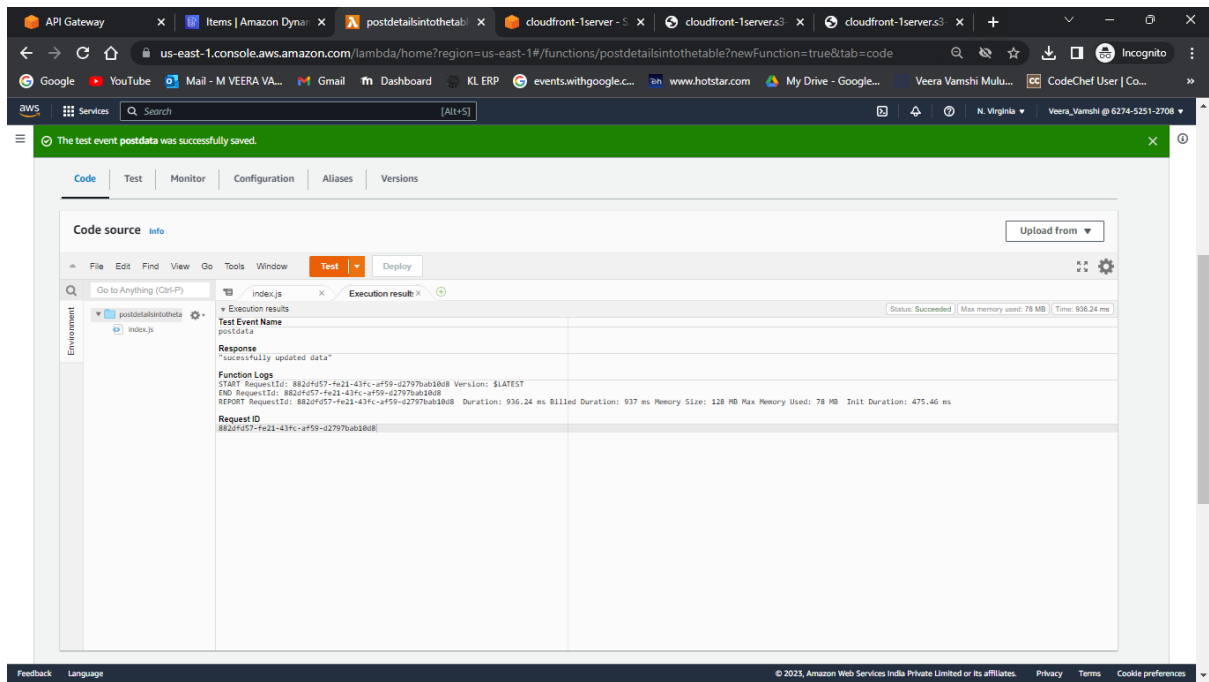


Now for Posting data into the dynamo DB:

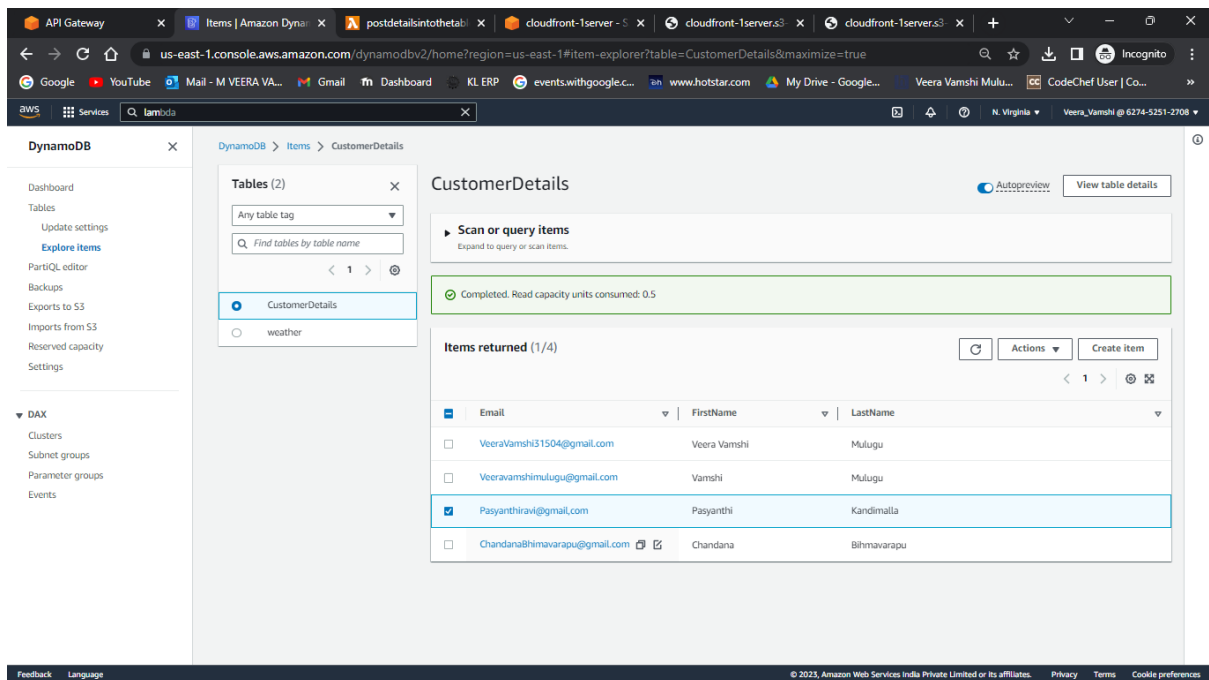
create a lambda fn and write the code as follows:



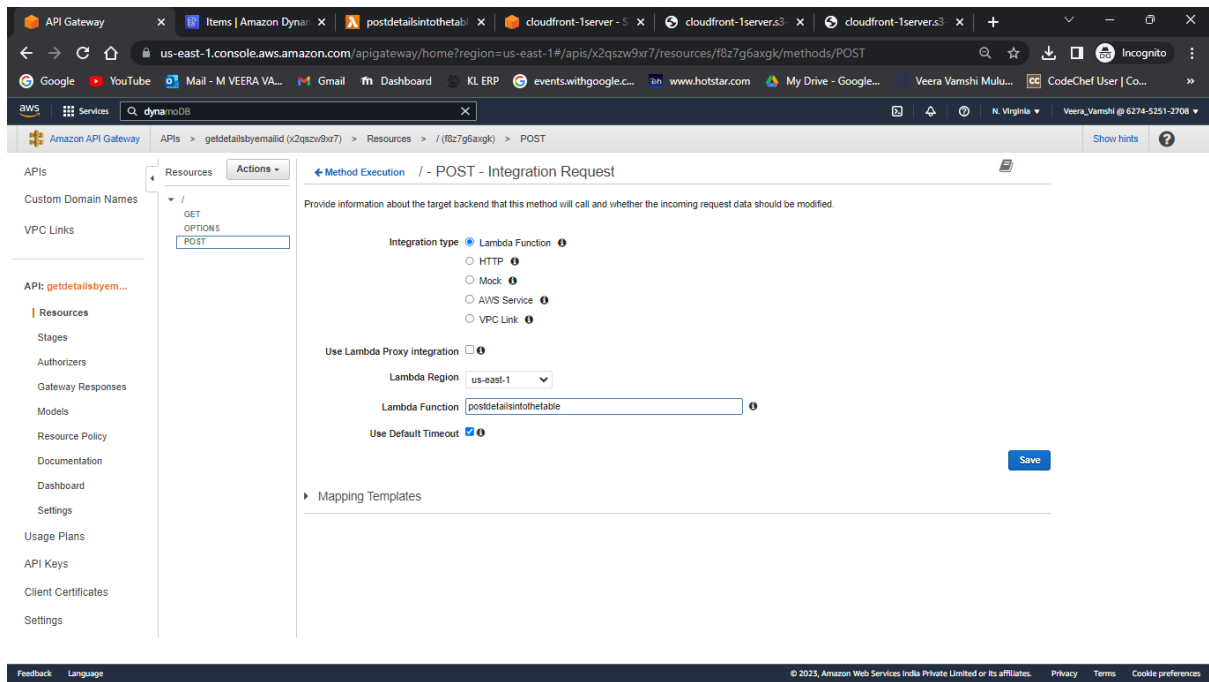
Tested:



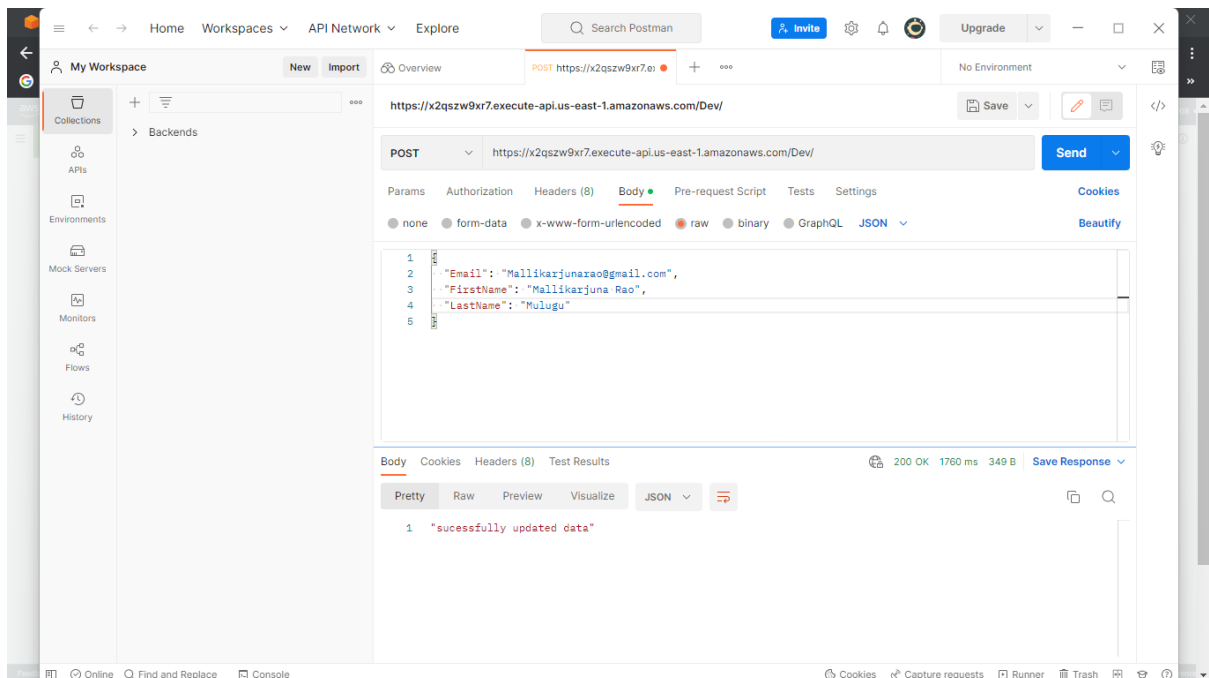
Output:



Integrate lambda with post method:



Enable CORS and deploy it and test on postman:



Data is added into the database:

The screenshot shows the Amazon DynamoDB console interface. On the left is a navigation menu with options like Dashboard, Tables, Update settings, Explore items, PartiQL editor, Backups, Exports to S3, Imports from S3, Reserved capacity, and Settings. The main area displays the 'CustomerDetails' table. A 'Scan or query items' section is visible, showing a completed scan with 0.5 read capacity units consumed. Below this, a table lists 6 items returned. Each item has columns for Email, FirstName, and LastName. The items are: VeeraVamshi31504@gmail.com (Veera Vamshi, Mulugu), Veeravamshimulugu@gmail.com (Vamshi, Mulugu), Pasyanthiravi@gmail.com (Pasyanthi, Kandimala), Pasyanthiravi@gmail.com (Pasyanthi, Kandimala), ChandanaBhimavarapu@gmail.com (Chandana, Bihmavarapu), and Mallikarjunarao@gmail.com (Mallikarjuna Rao, Mulugu).

Hosting a website: Create a bucket with publicly accessible and add the following files:

The screenshot shows the Amazon S3 console interface for a bucket named 'bgmi-bucket'. The bucket is marked as 'Publicly accessible'. Below the bucket name, there are tabs for Objects, Properties, Permissions, Metrics, Management, and Access Points. The 'Objects' tab is selected, showing a list of 3 objects. Each object has columns for Name, Type, Last modified, Size, and Storage class. The objects are: index.html (html, February 24, 2023, 00:45:19 (UTC+05:30), 2.1 KB, Standard), jquery-3.1.1.min.js (js, February 24, 2023, 00:45:21 (UTC+05:30), 84.7 KB, Standard), and knockout-3.4.2.js (js, February 24, 2023, 00:45:22 (UTC+05:30), 58.9 KB, Standard).

Hosting and sending data:

API Gateway xItems | Amaz xpostdetailsin xbgmi-bucket xcloudfront-1: xcloudfront-1: xcloudfront-1: xbgmi-bucket x+ v - Incognito

Not secure | bgmi-bucket.s3-website-us-east-1.amazonaws.com

GoogleYouTubeMail - M VEERA VAGmailDashboardKL ERPevents.withgoogle.c...www.hotstar.comMy Drive - Google...Veera Vamshi Mulu...CodeChef User | Co...

Email:

FirstName:

LastName:

API Gateway xItems | Amaz xpostdetailsin xbgmi-bucket xcloudfront-1: xcloudfront-1: xcloudfront-1: xbgmi-bucket x+ v - Incognito

Not secure | bgmi-bucket.s3-website-us-east-1.amazonaws.com

GoogleYouTubeMail - M VEERA VAGmailDashboardKL ERPevents.withgoogle.c...www.hotstar.comMy Drive - Google...Veera Vamshi Mulu...CodeChef User | Co...

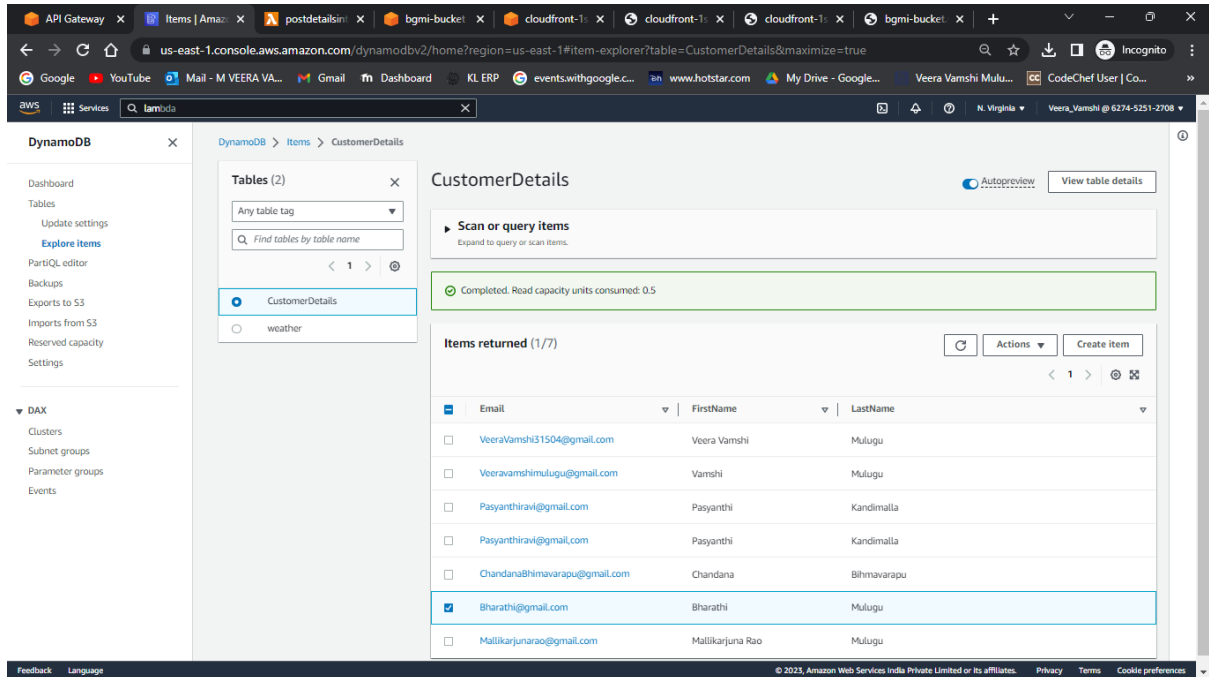
Email:

FirstName:

LastName:

successfully updated data

Output: added into the database:



The screenshot shows the AWS DynamoDB console interface. The left sidebar contains navigation links for Dashboard, Tables, Update settings, Explore items, PartiQL editor, Backups, Exports to S3, Imports from S3, Reserved capacity, Settings, and DAX. The main content area is titled 'CustomerDetails' and shows a table with 7 items. A green banner indicates a completed scan with 0.5 read capacity units consumed. The table has columns for Email, FirstName, and LastName. The item 'Bharathi@gmail.com' is selected.

CustomerDetails

Completed. Read capacity units consumed: 0.5

Items returned (1/7)

	Email	FirstName	LastName
<input type="checkbox"/>	VeeraVamshi31504@gmail.com	Veera Vamshi	Mulugu
<input type="checkbox"/>	Veervamshimulugu@gmail.com	Vamshi	Mulugu
<input type="checkbox"/>	Pasyanthiravi@gmail.com	Pasyanthi	Kandimalla
<input type="checkbox"/>	Pasyanthiravi@gmail.com	Pasyanthi	Kandimalla
<input type="checkbox"/>	ChandanaBhimavarapu@gmail.com	Chandana	Bhimavarapu
<input checked="" type="checkbox"/>	Bharathi@gmail.com	Bharathi	Mulugu
<input type="checkbox"/>	Malikarjunarao@gmail.com	Malikarjuna Rao	Mulugu