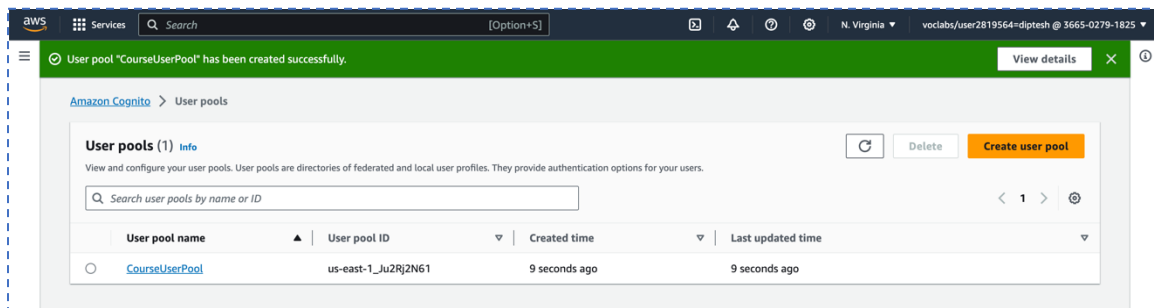
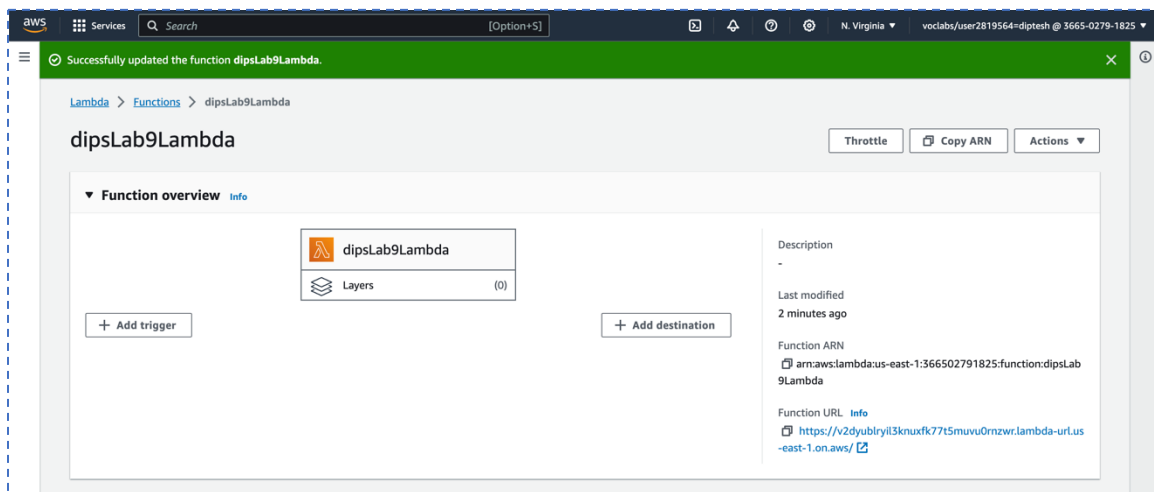


## DynamoDB – CRUD operation using Lambda function URL.

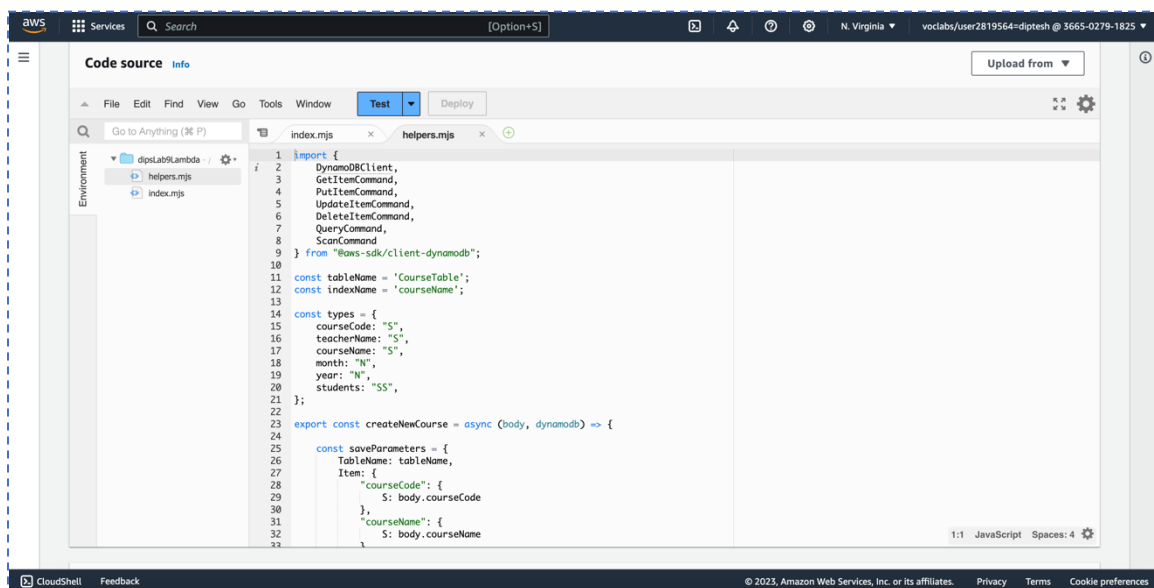
- Created new User pool in Amazon Cognito.



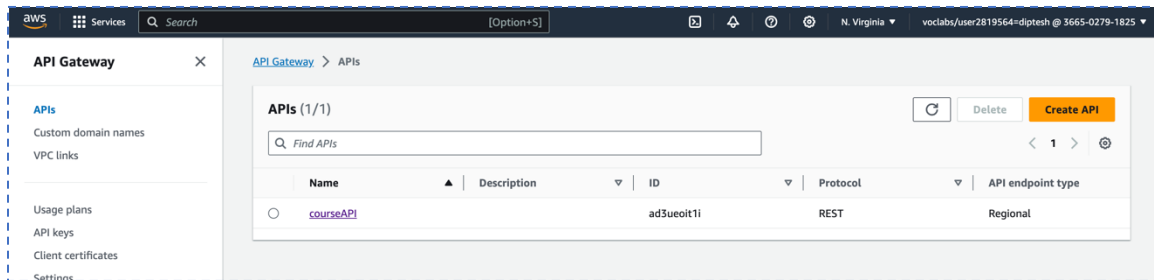
- Created new Lambda Function URL.



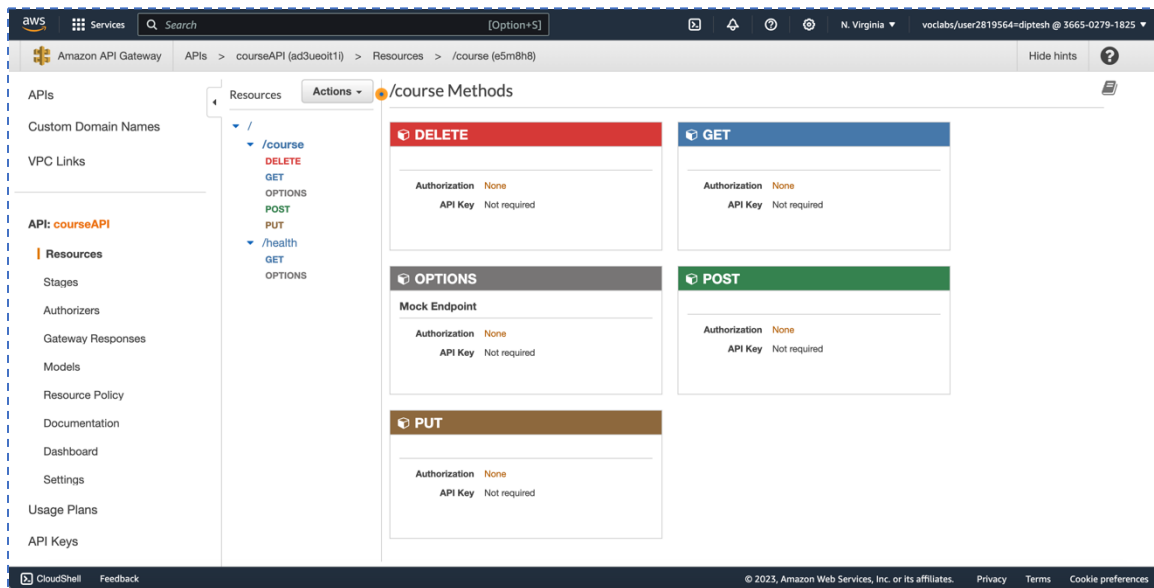
- Source code updated in **index.mjs** and **helpers.mjs** files.



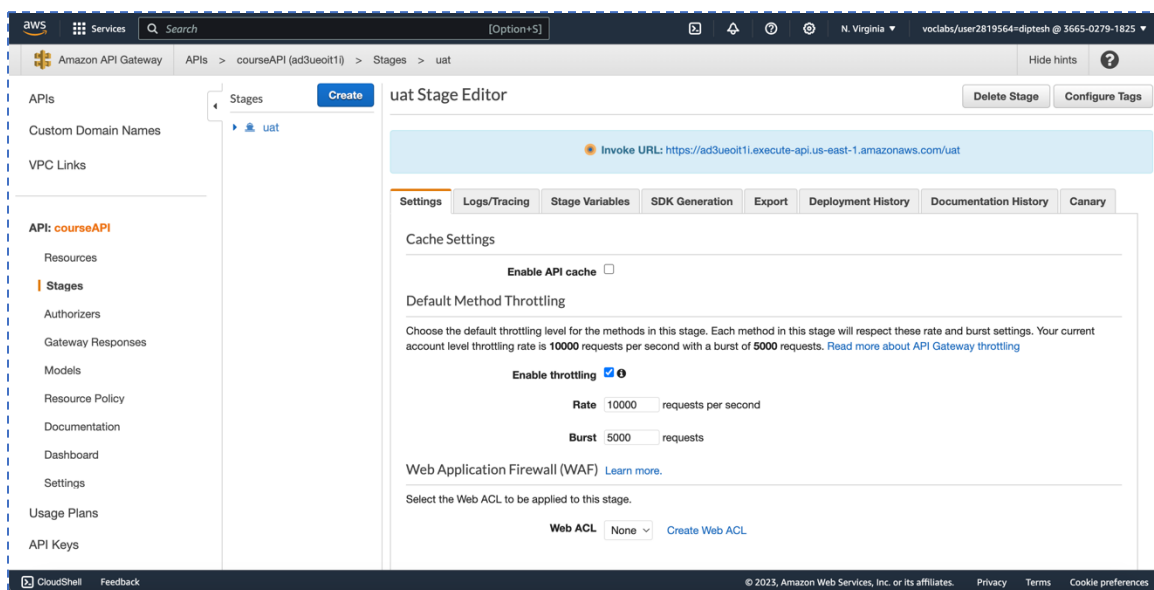
- Created new REST API named **courseAPI** via Amazon API Gateway.



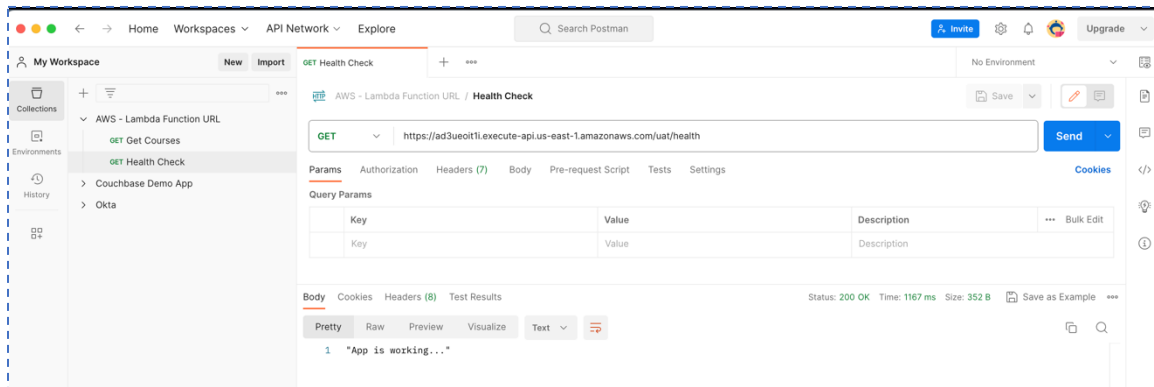
- Created new resources '/health' and '/course' and then created method under them.



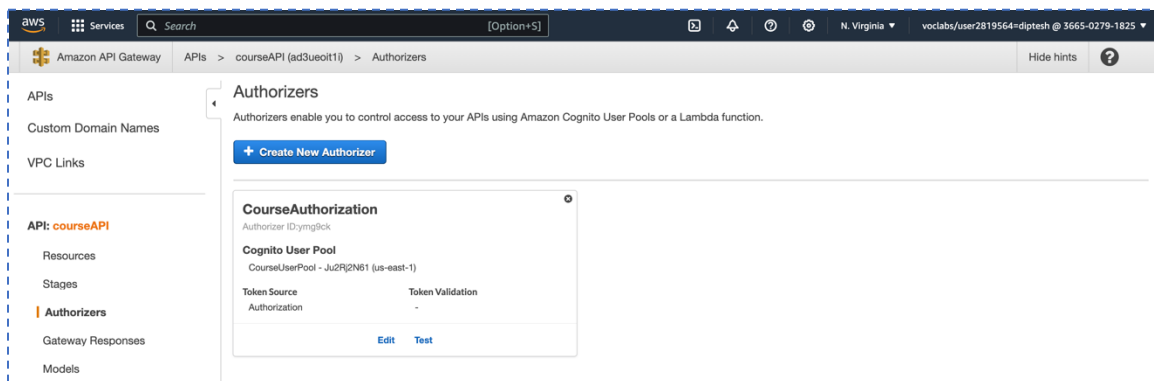
- Deployed the API afterwards.



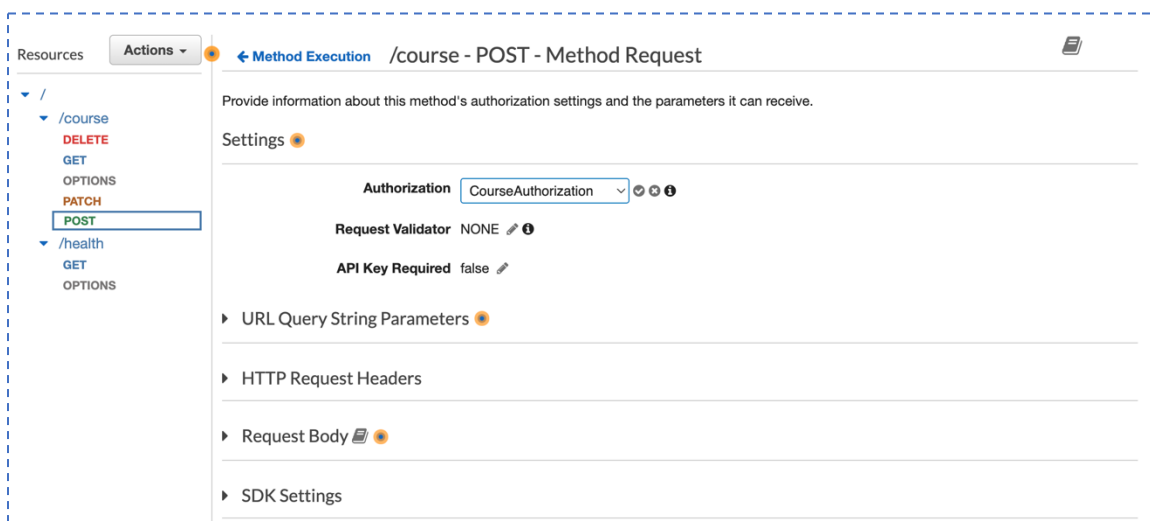
- Checking the health endpoint of the created API and getting result.



- Created new Authorization using the User Pool created earlier.



- Updated the methods to use the authorization for access.



APIs

Custom domain names

VPC links

▼ API: courseAPI

Resources

Stages

Authorizers

Gateway responses

Models

Resource policy

Documentation

Dashboard

API settings

Usage plans

API keys

Client certificates

Settings

Use the old console

Create resource

/

/course

DELETE

GET

OPTIONS

PATCH

POST

/health

GET

OPTIONS

/course - Method execution

ARN

arn:aws:execute-api:us-east-1:366502791825:ad3ueoit11/\*/\*/GET/course

Resource ID

e5m8h8

Client

Method request

Integration request

Method response

Integration response

Proxy integration

Lambda integration

Method request

Integration request

Integration response

Method response

Test

Method request settings

Authorization

CourseAuthorization

Request validator

None

API key required

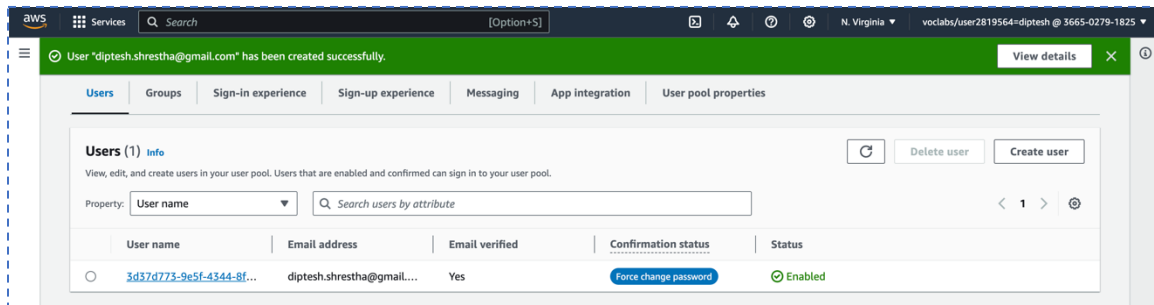
False

SDK operation name

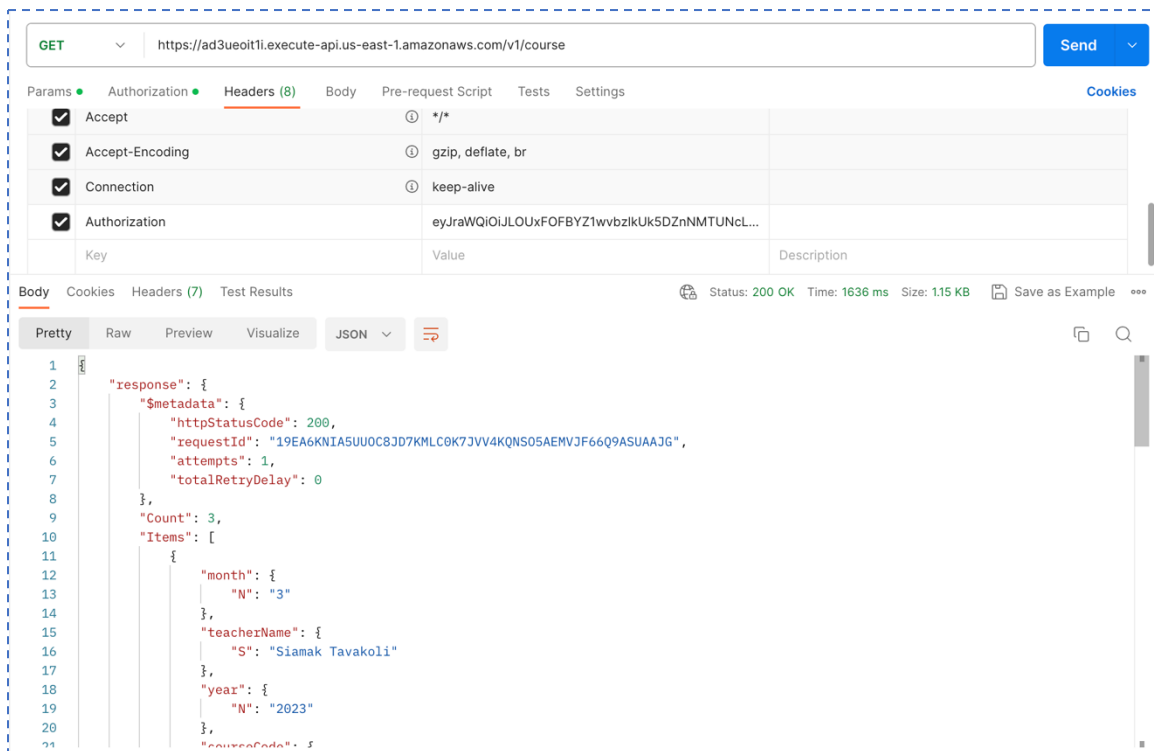
Generated based on method and path

[illegible]

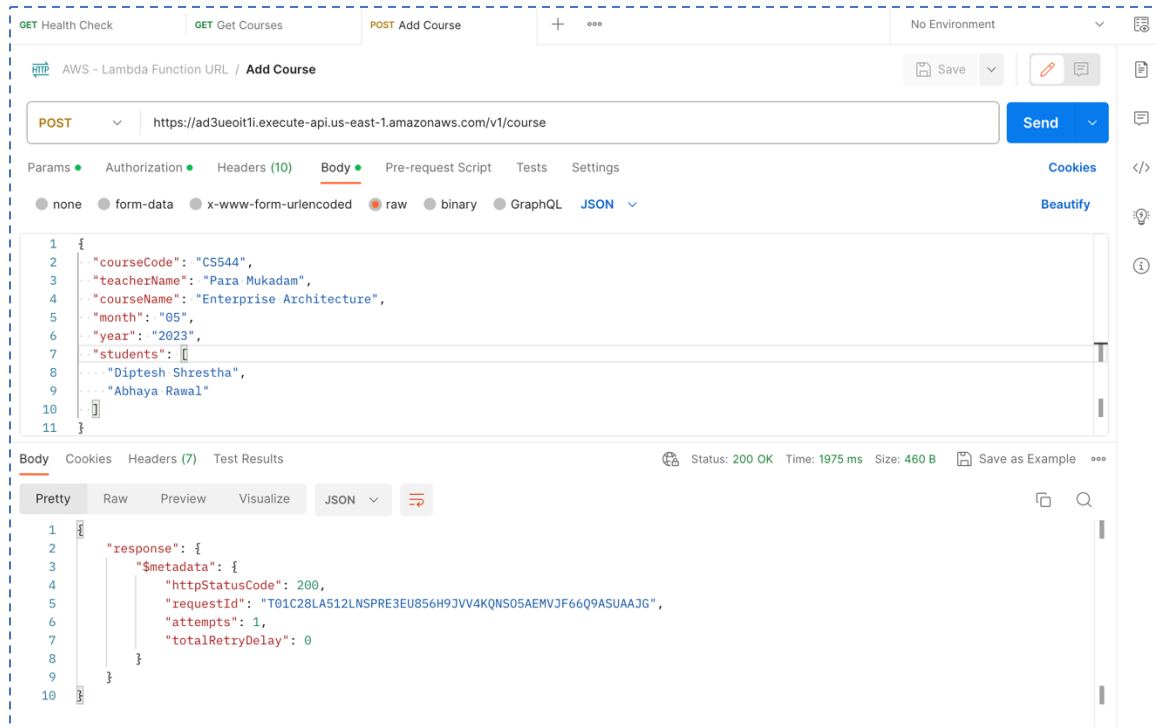
- Also verified in the AWS console if the user was created.



- Testing the API endpoint via POSTMAN and was successfully able to fetch the data.



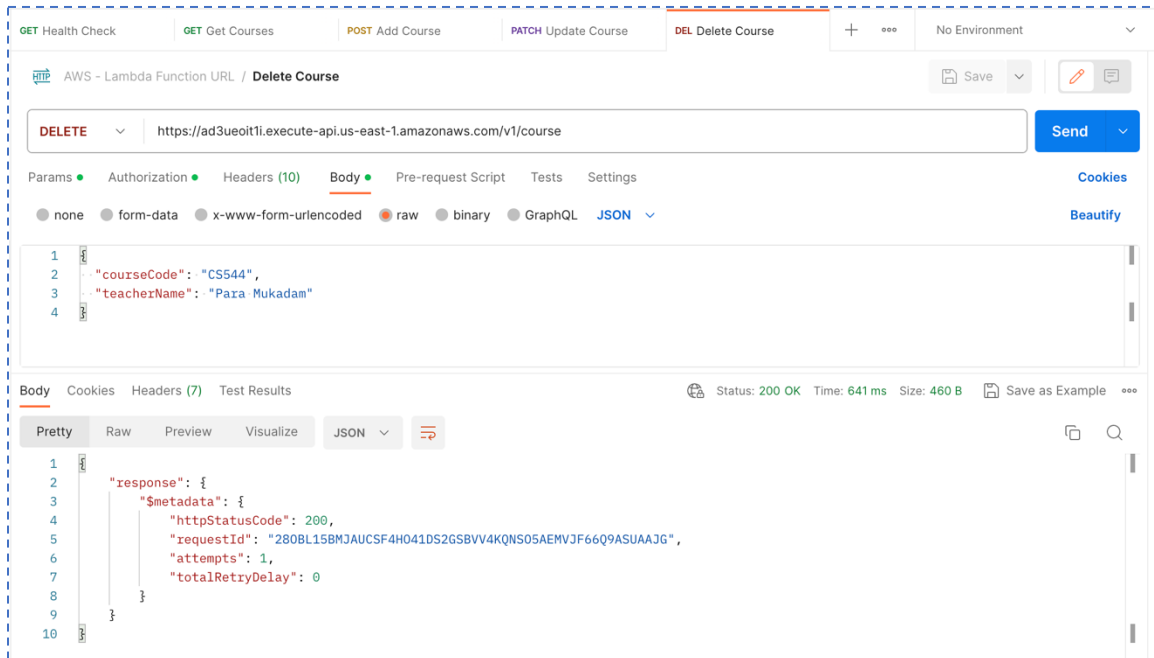
- Testing the API endpoint via POSTMAN for POST operation & was successfully.



- Verified the newly added data in DynamoDB.

Items returned (4)							Actions	Create item
	courseCode (String)	teacherName (String)	courseNa...	month	students	year		
<input type="checkbox"/>	CS590	Siamak Tavakoli	Software Arc...	3	["Chandrika Thapa","Diptesh Shrestha"]	2023		
<input type="checkbox"/>	CS516	Unubold Tumenbayar	Cloud Comp...	10	["Arjun Subedi","Diptesh Shrestha","Kar...	2023		
<input type="checkbox"/>	CS544	Para Mukadam	Enterprise A...	5	["Abhaya Rawal","Diptesh Shrestha"]	2023		
<input type="checkbox"/>	CS435	Clyde Ruby	Algorithm	5	["Diptesh Shrestha","Nirajan Karki"]	2023		

- Tested via Postman for Deleting data and was successful.



- Tested via Postman for Updating data and was successful.

