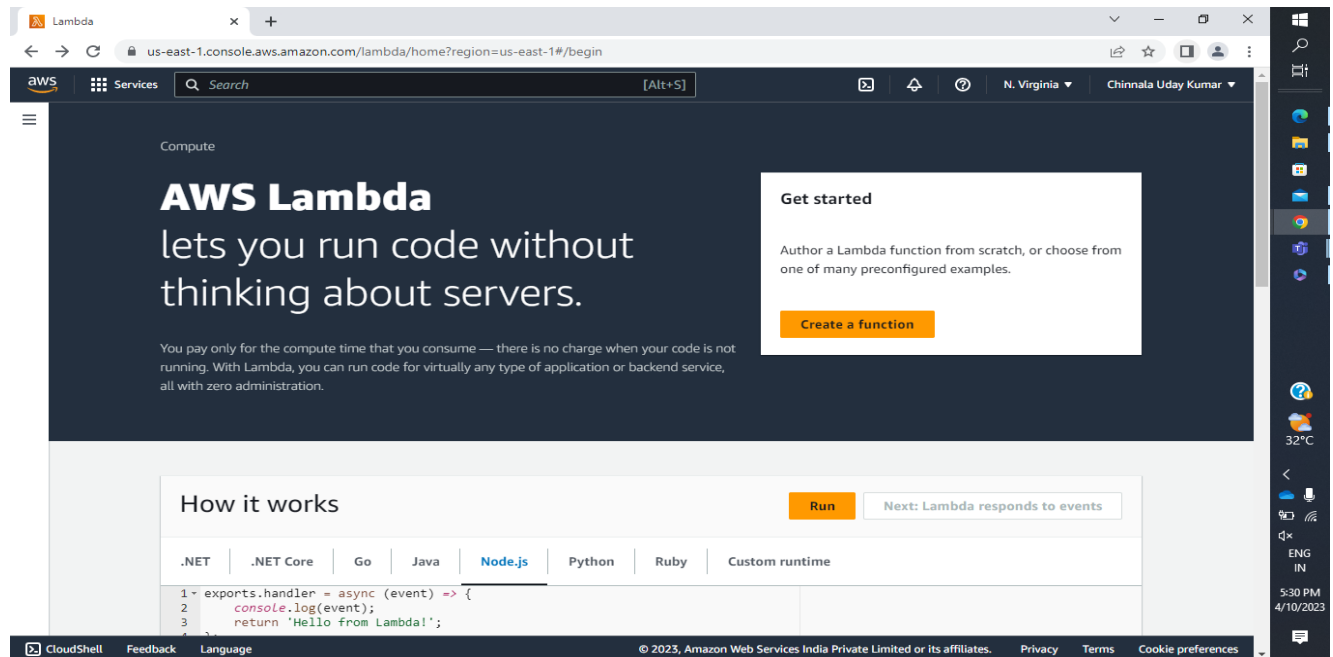
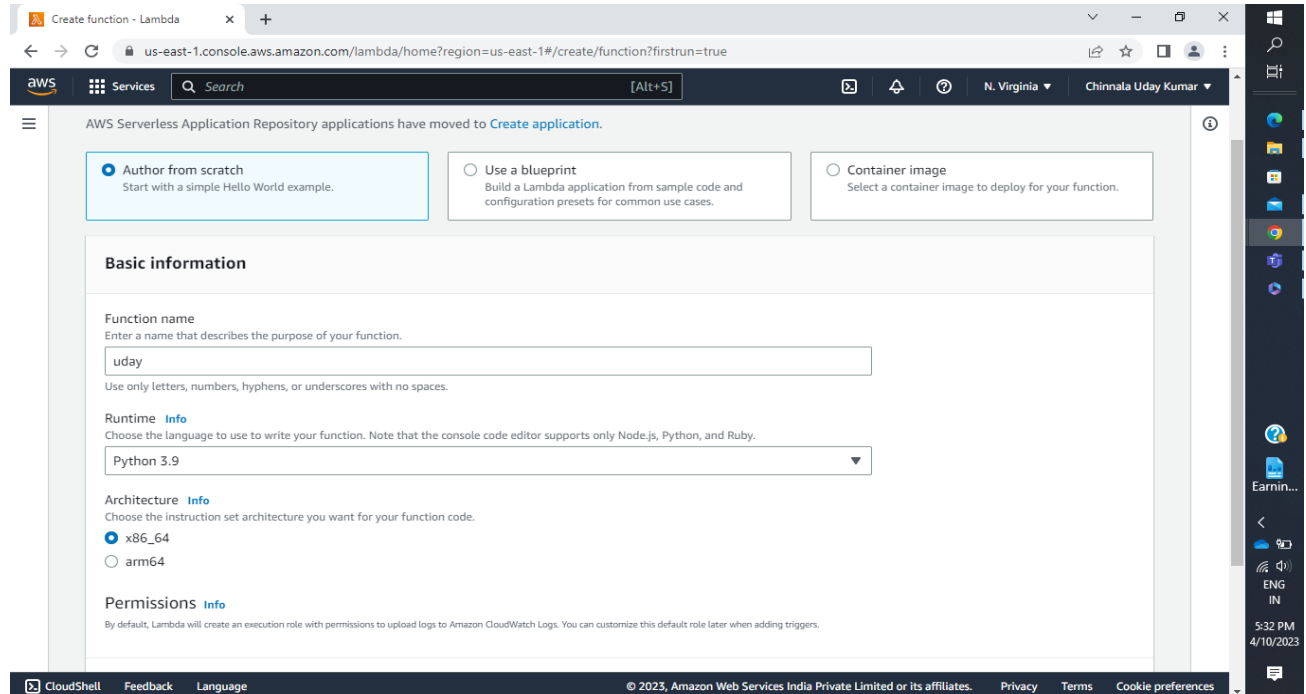


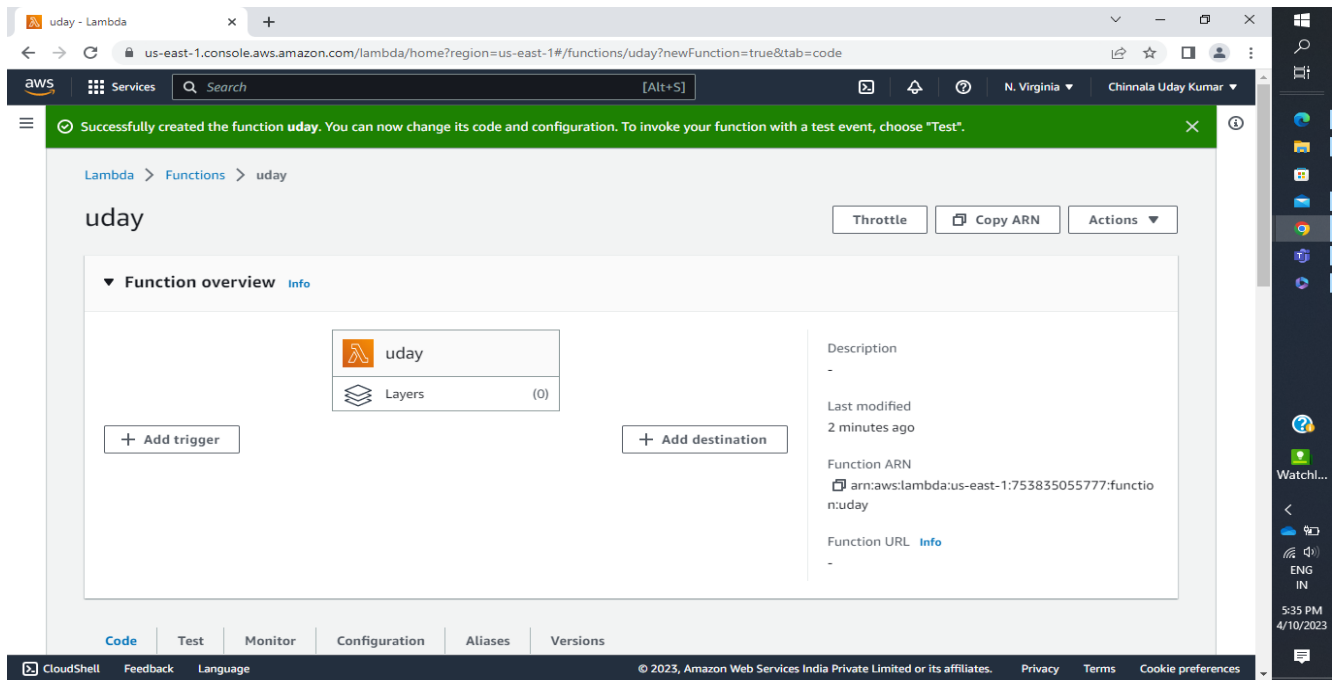
## API WITH LAMBDA INTEGRATION

- Create Lambda function

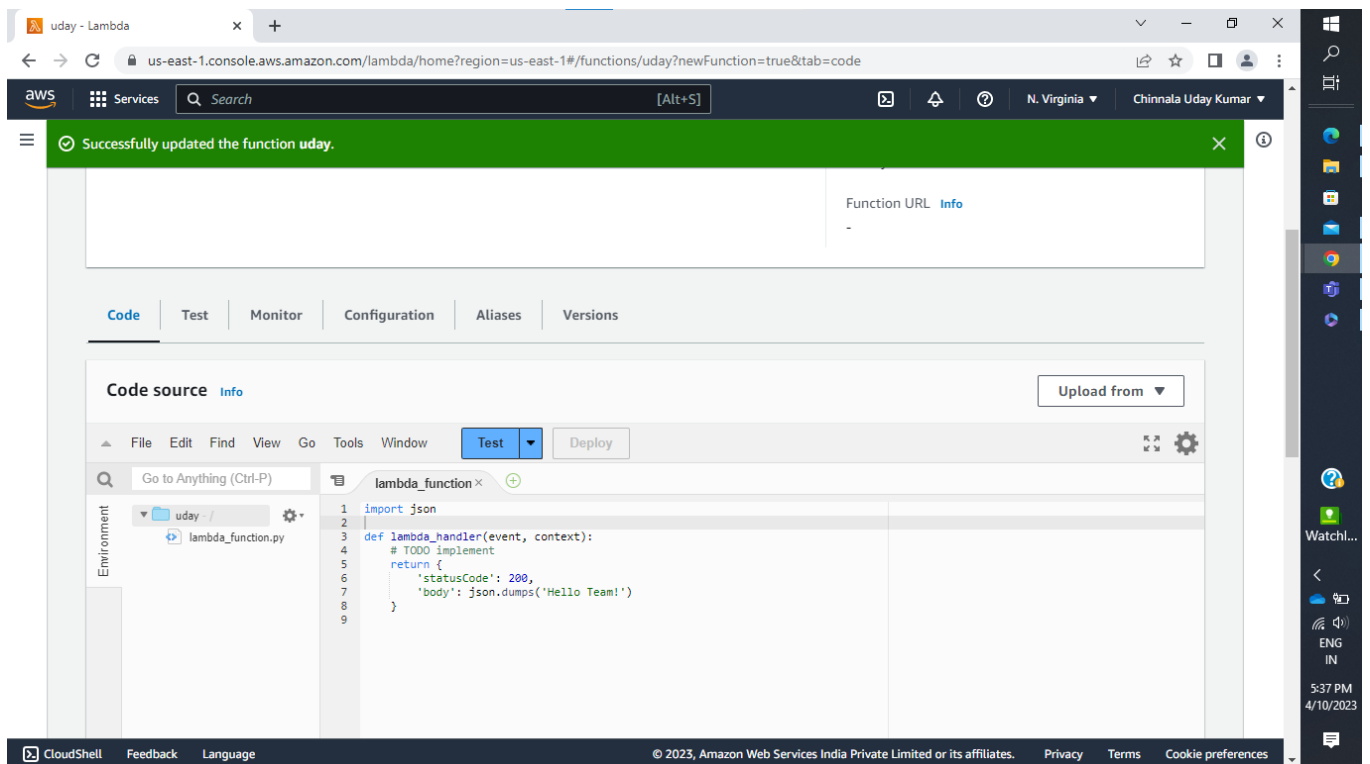


- Choose python in runtime

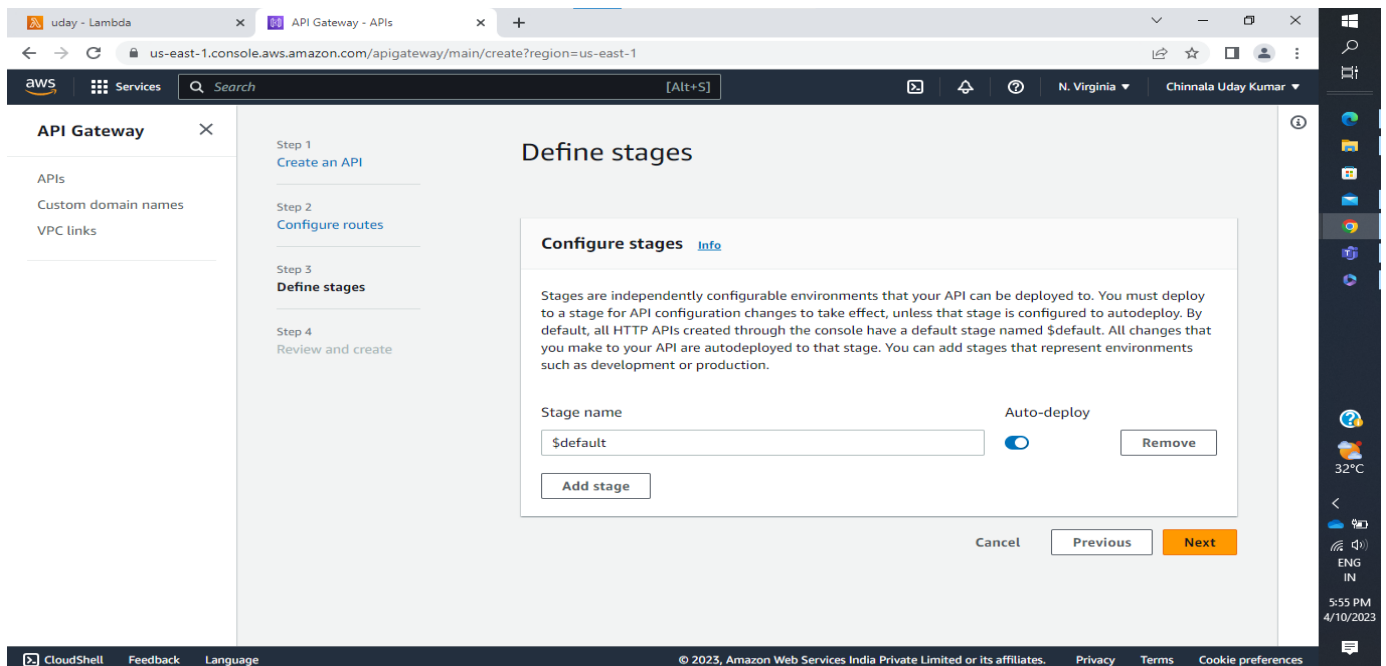
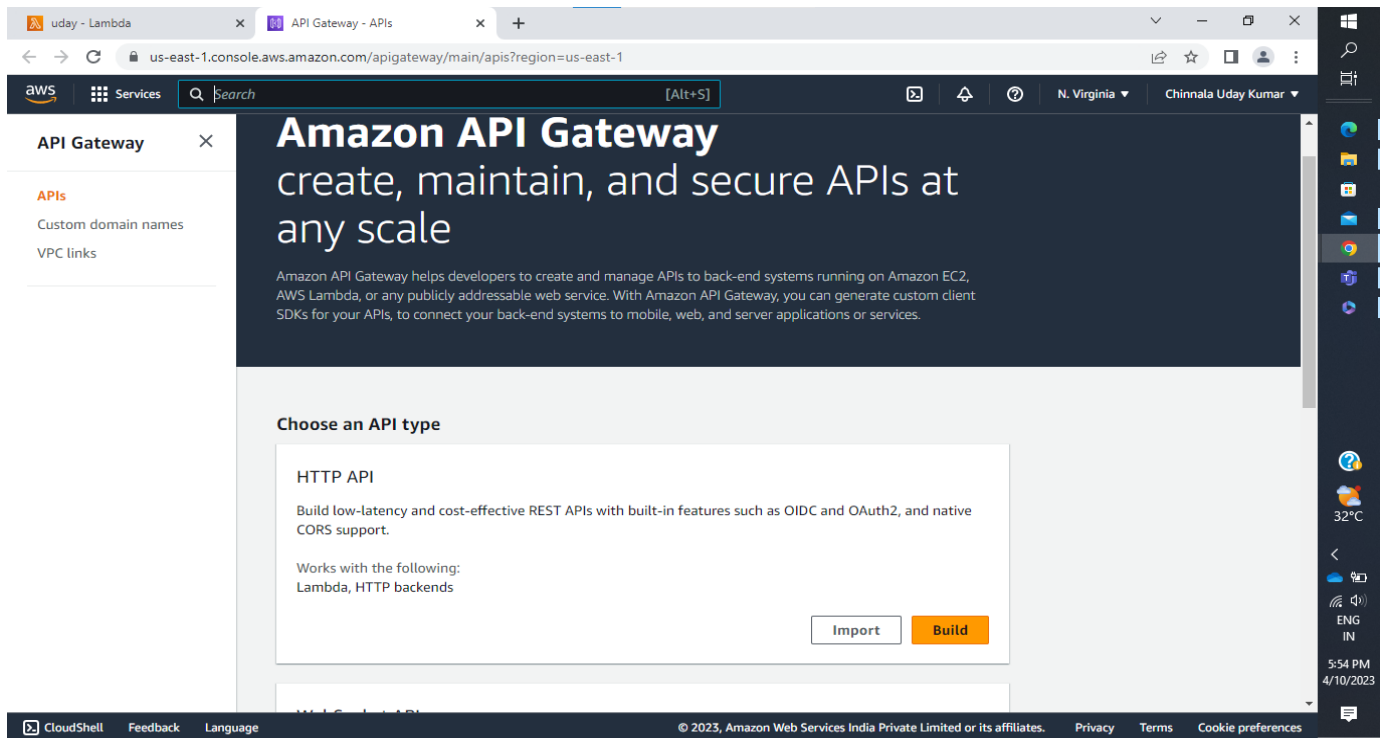




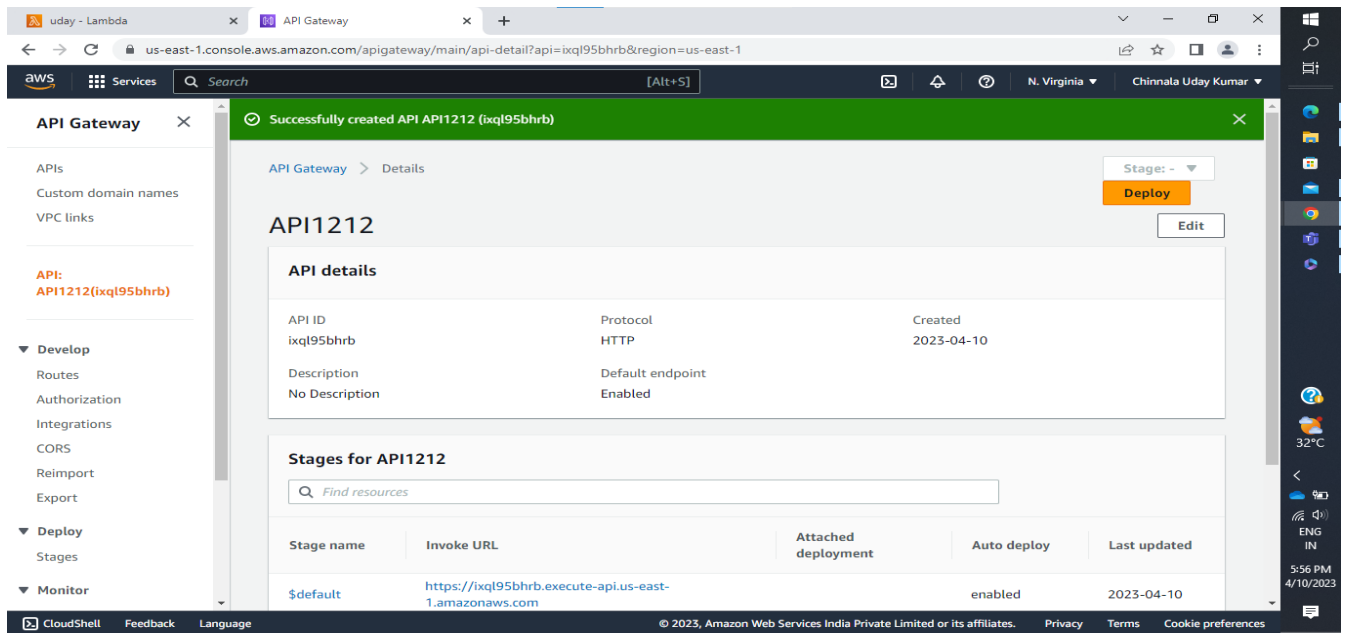
- Now add the python code and deploy it.



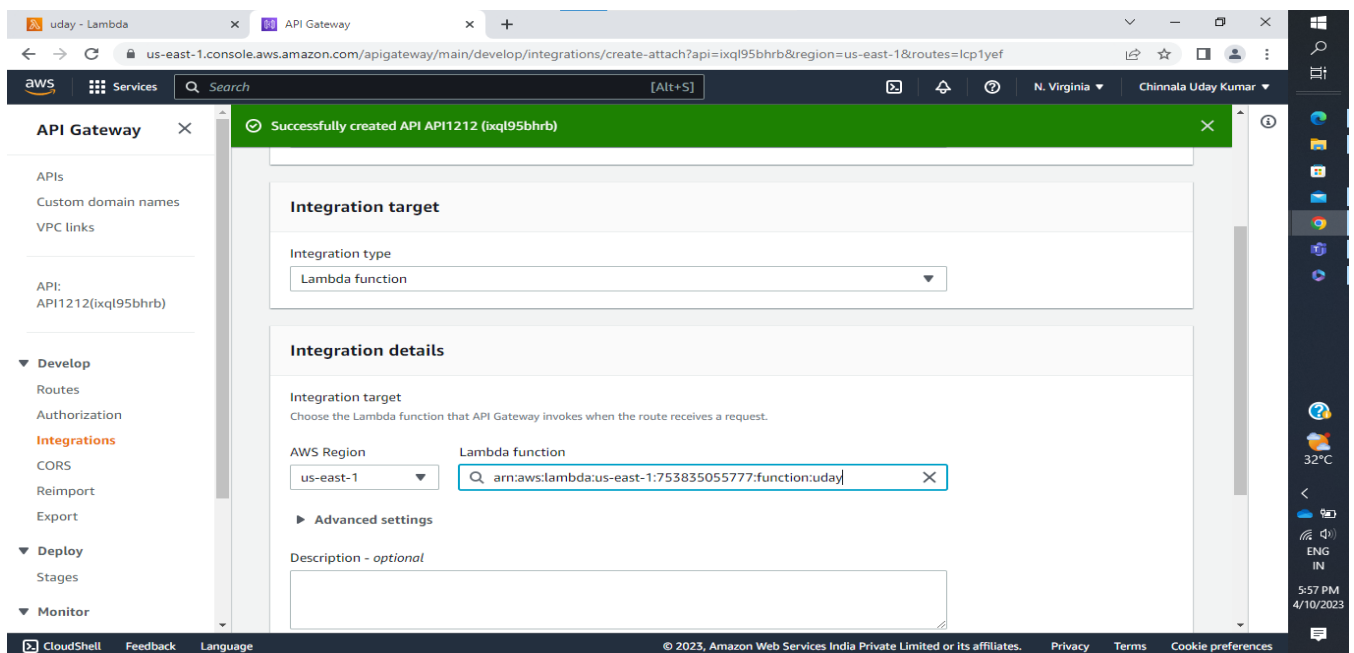
- Go to Amazon API Gateway



- API Created Successfully.



- Now Select the Integration type, Aws region and Lambda function which you have created earlier



- Update the routes giving name to it.

us-east-1.console.aws.amazon.com/apigateway/main/develop/integrations/attach?api=ixql95bhrb&integration=nfmcxtq&region=us-east-1&routes=lcp1yef

API Gateway

APIs  
Custom domain names  
VPC links

API:  
API1212(ixql95bhrb)

Develop  
Routes  
Authorization  
Integrations  
CORS  
Reimport  
Export

Deploy  
Stages

Monitor

Successfully updated 1 routes.

API Gateway > Integrations

Stage: -  
Deploy

### Integrations

Attach integrations to routes | Manage integrations

#### Routes for API1212

Search

▼ /data

GET	AWS Lambda
-----	------------

#### Integration details for route

GET /data (lcp1yef)

Detach integration | Manage integration

Lambda function uday (us-east-1)	Integration ID nfmcxtq
Description -	
Payload format version The parsing algorithm for the payload sent to and returned from your Lambda function. <a href="#">Learn more.</a> 2.0 (interpreted response format)	
Invoke permissions	

us-east-1.console.aws.amazon.com/apigateway/main/develop/stages?api=ixql95bhrb&integration=nfmcxtq&region=us-east-1&routes=lcp1yef&stage=\$default

API Gateway

APIs  
Custom domain names  
VPC links

API:  
API1212(ixql95bhrb)

Develop  
Routes  
Authorization  
Integrations  
CORS  
Reimport  
Export

Deploy  
Stages

Monitor

Successfully updated 1 routes.

API Gateway > Stages

Stage: \$default  
Deploy

### Stages

Stages for API1212 Create

Search

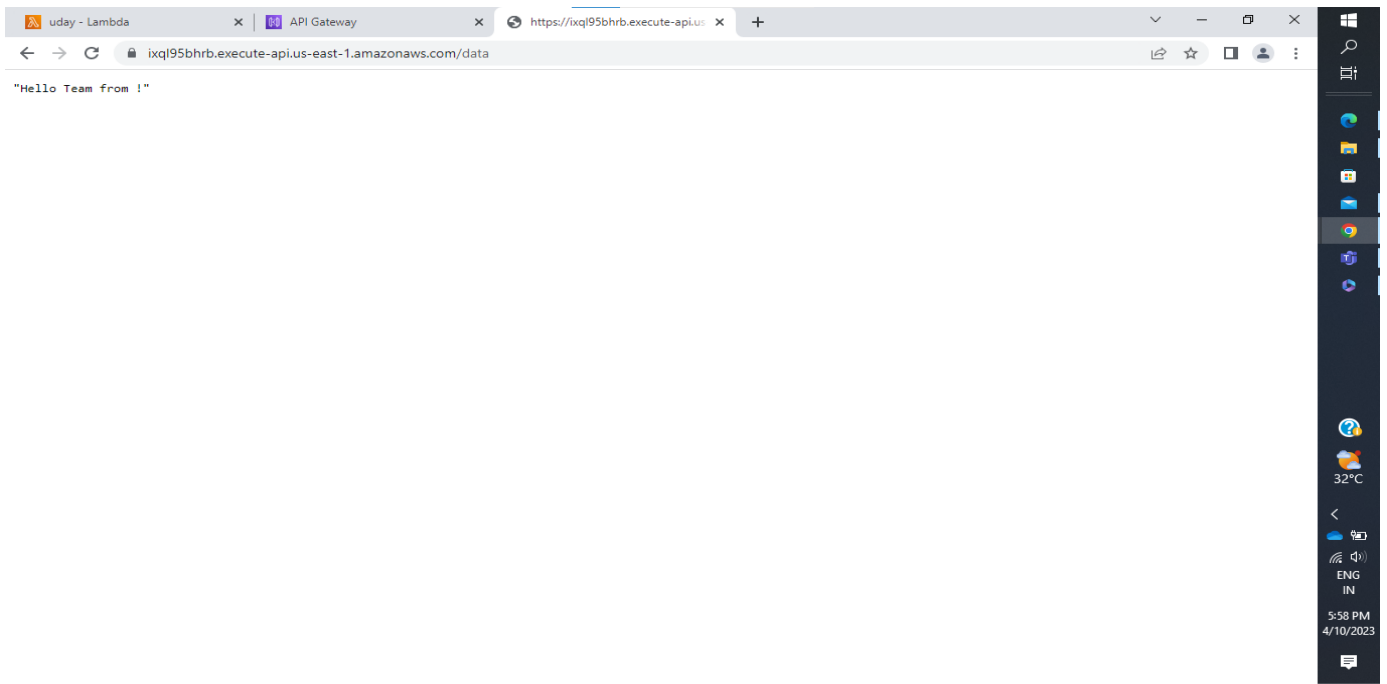
• \$default

#### Stage details

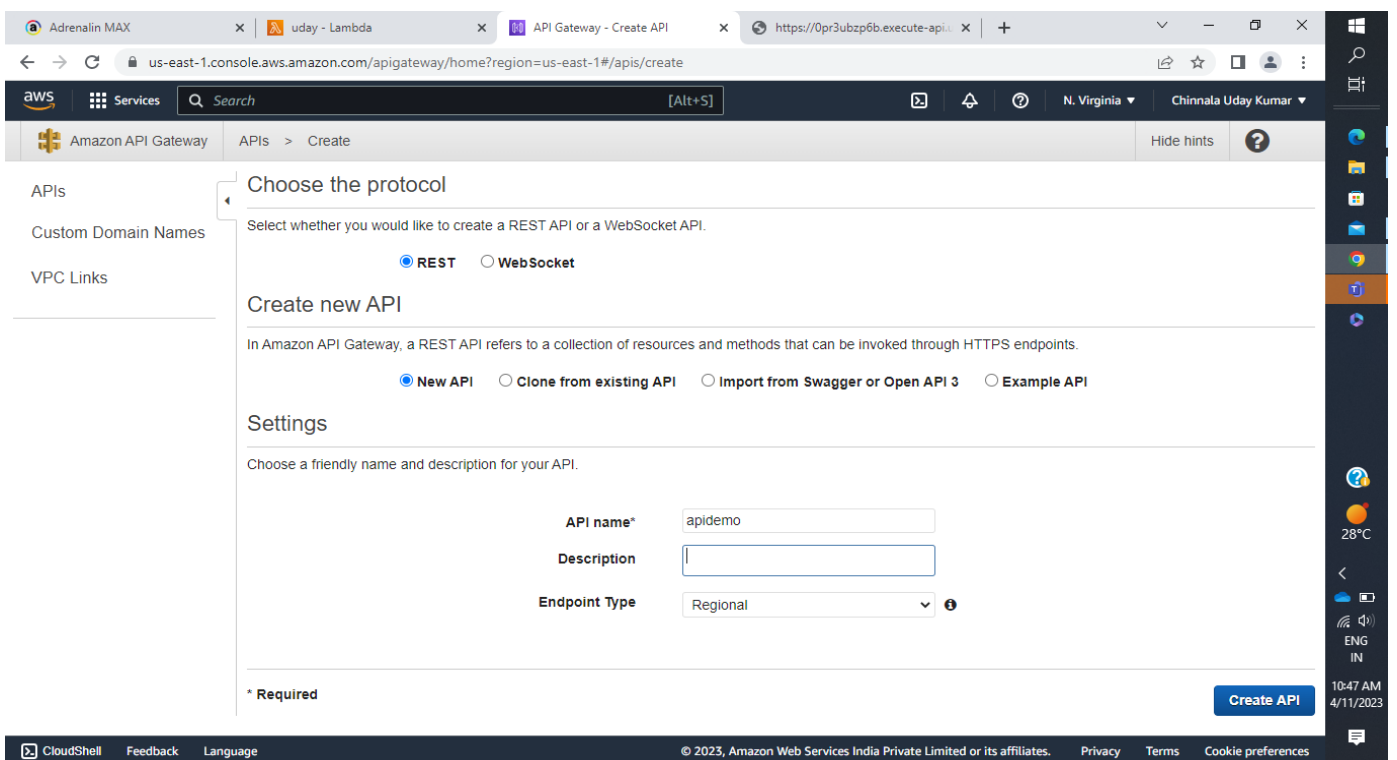
Delete | Edit

Details		
Name \$default	Created April 10, 2023 5:56 PM	Last updated April 10, 2023 5:57 PM
Invoke URL <a href="https://ixql95bhrb.execute-api.us-east-1.amazonaws.com">https://ixql95bhrb.execute-api.us-east-1.amazonaws.com</a>		
Description None		
Attached deployment Automatic Deployment Enabled		

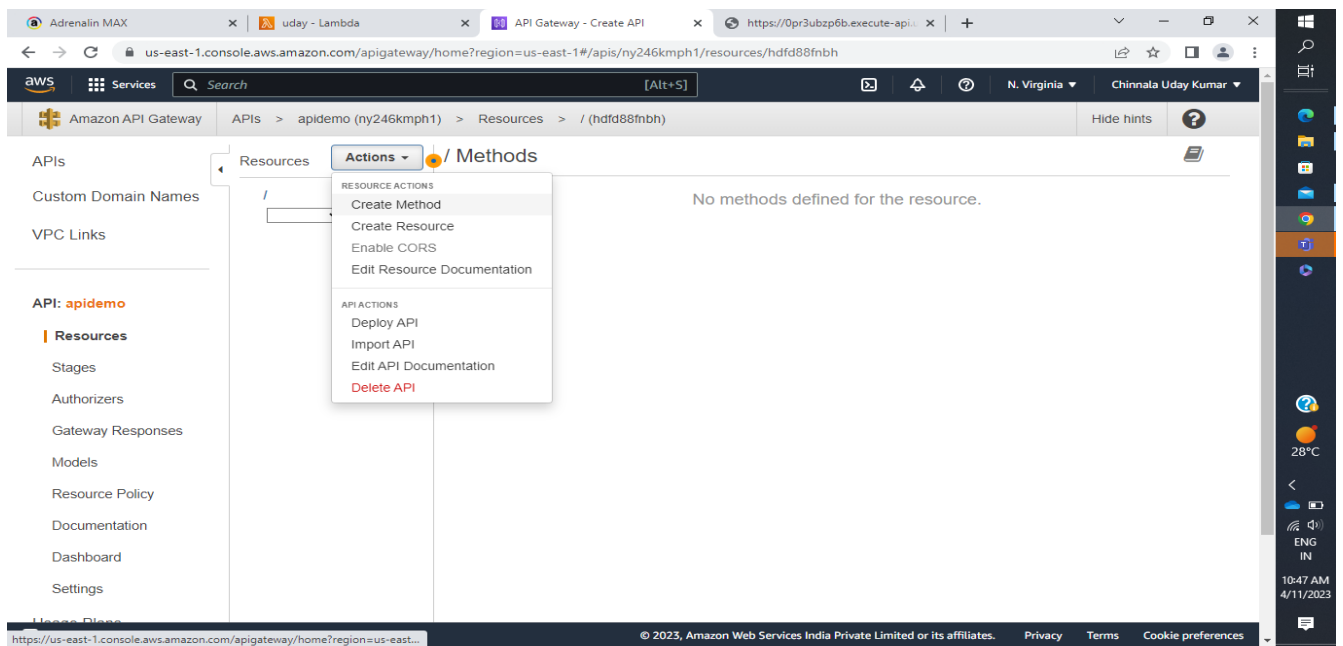
- Copy the link from invoke url and add “/data” and paste it in web browser to get output.



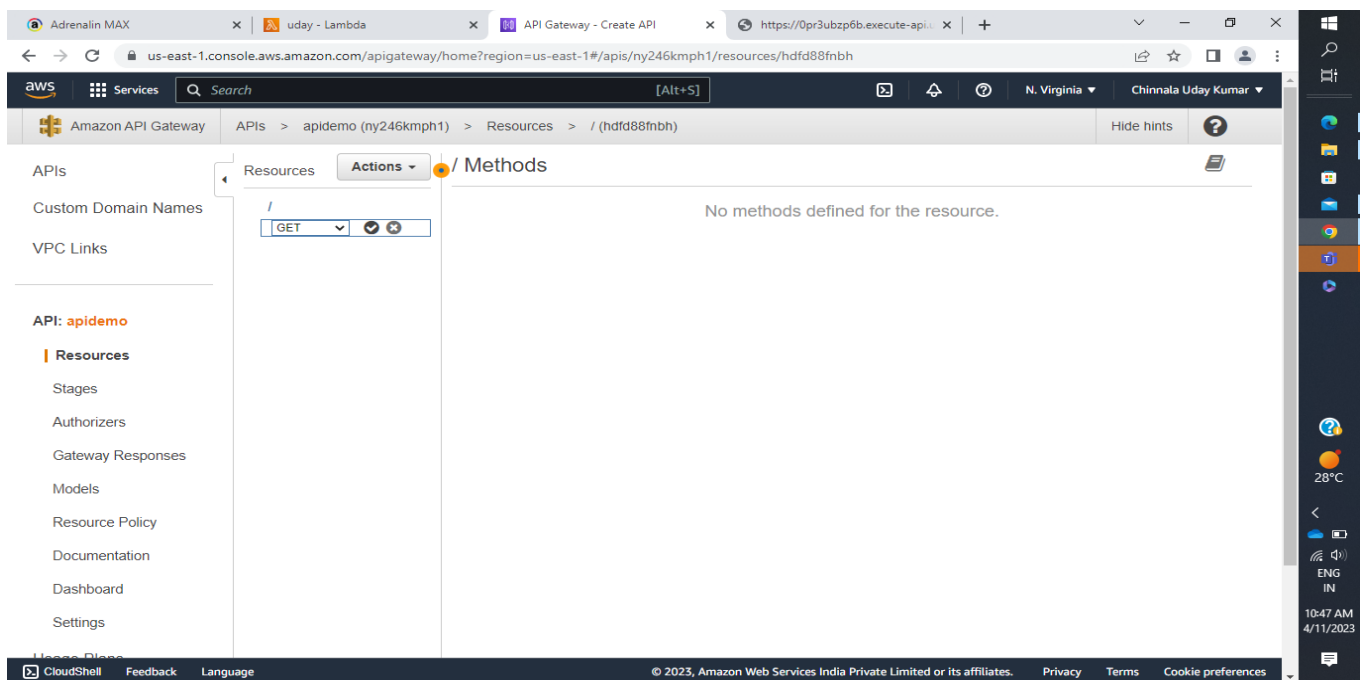
- Now Create one more API called **REST API**



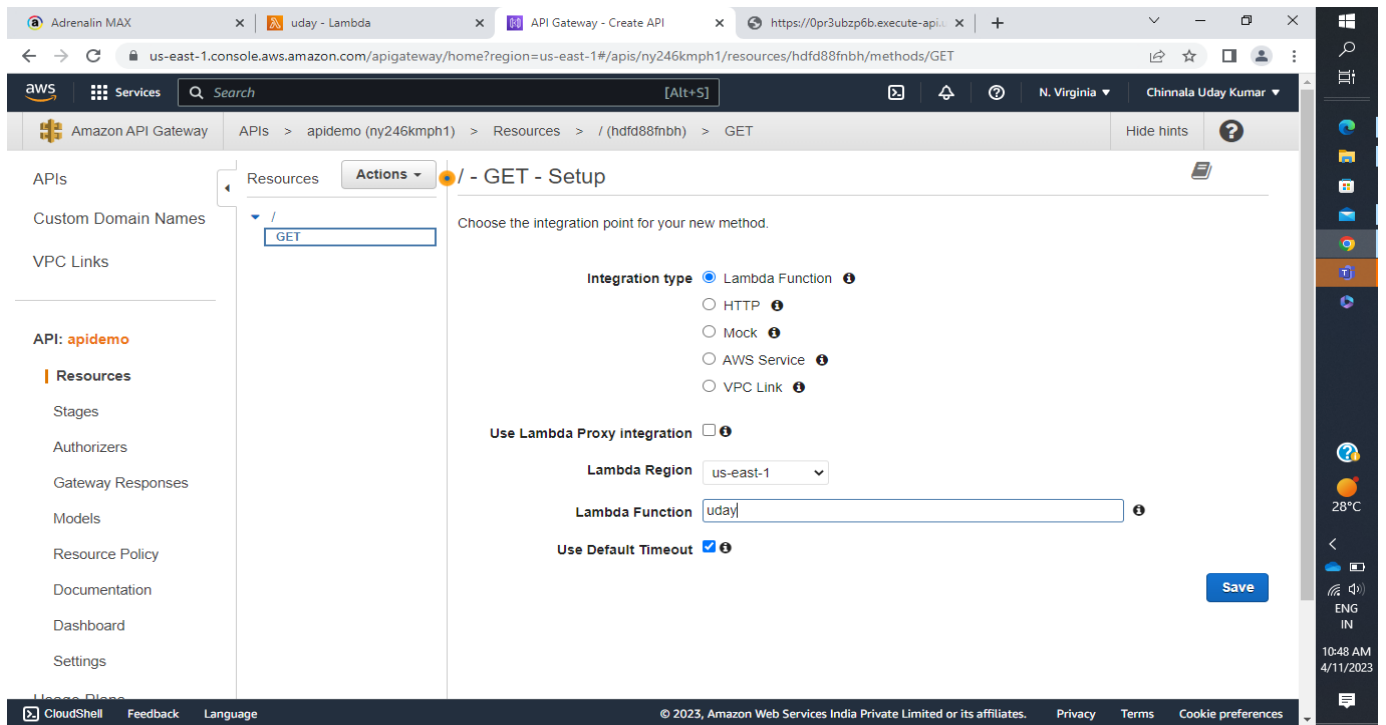
- GO to actions and "Create method".



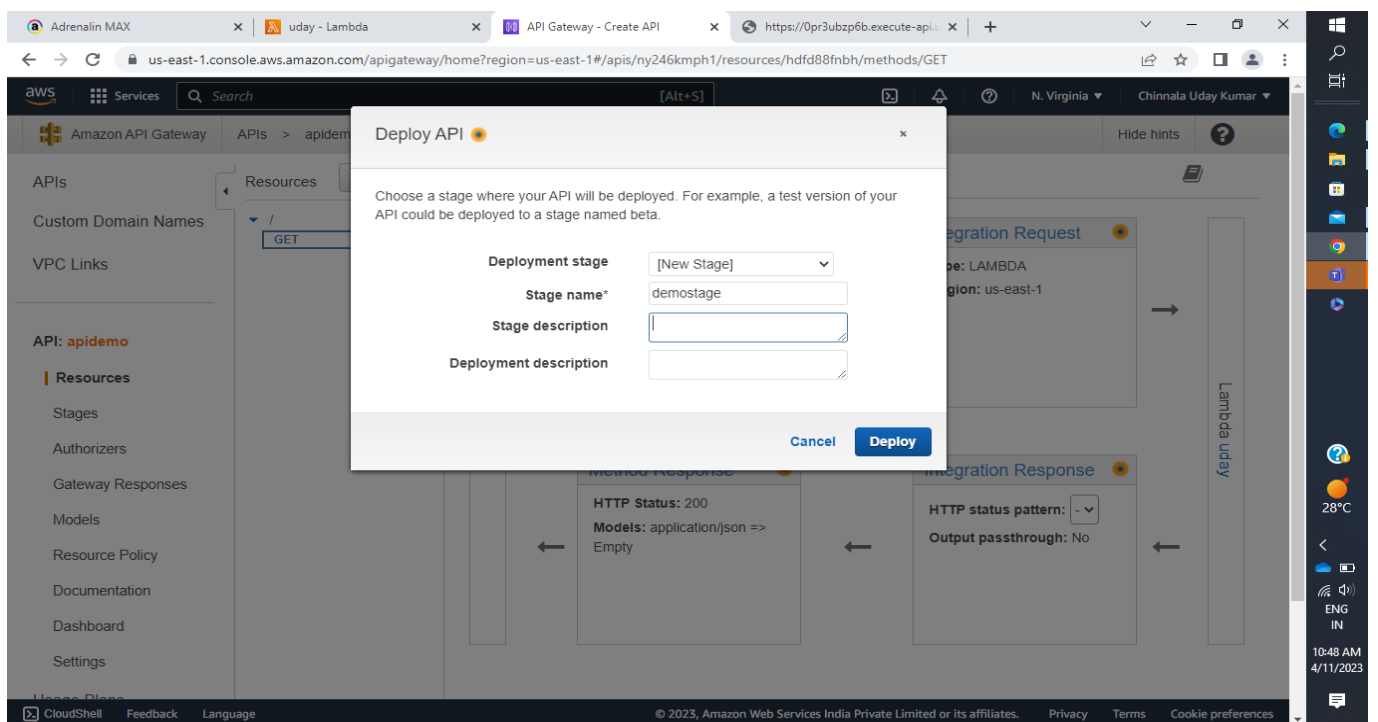
- In that Choose "GET" option



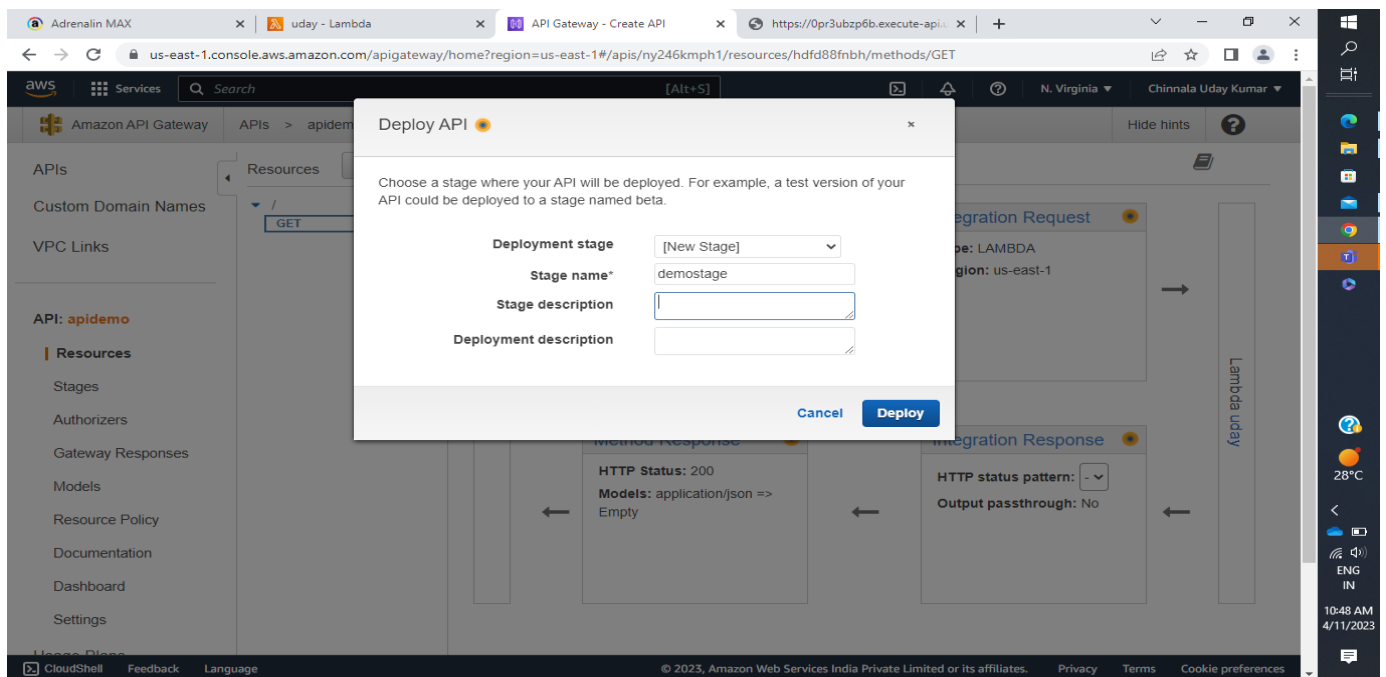
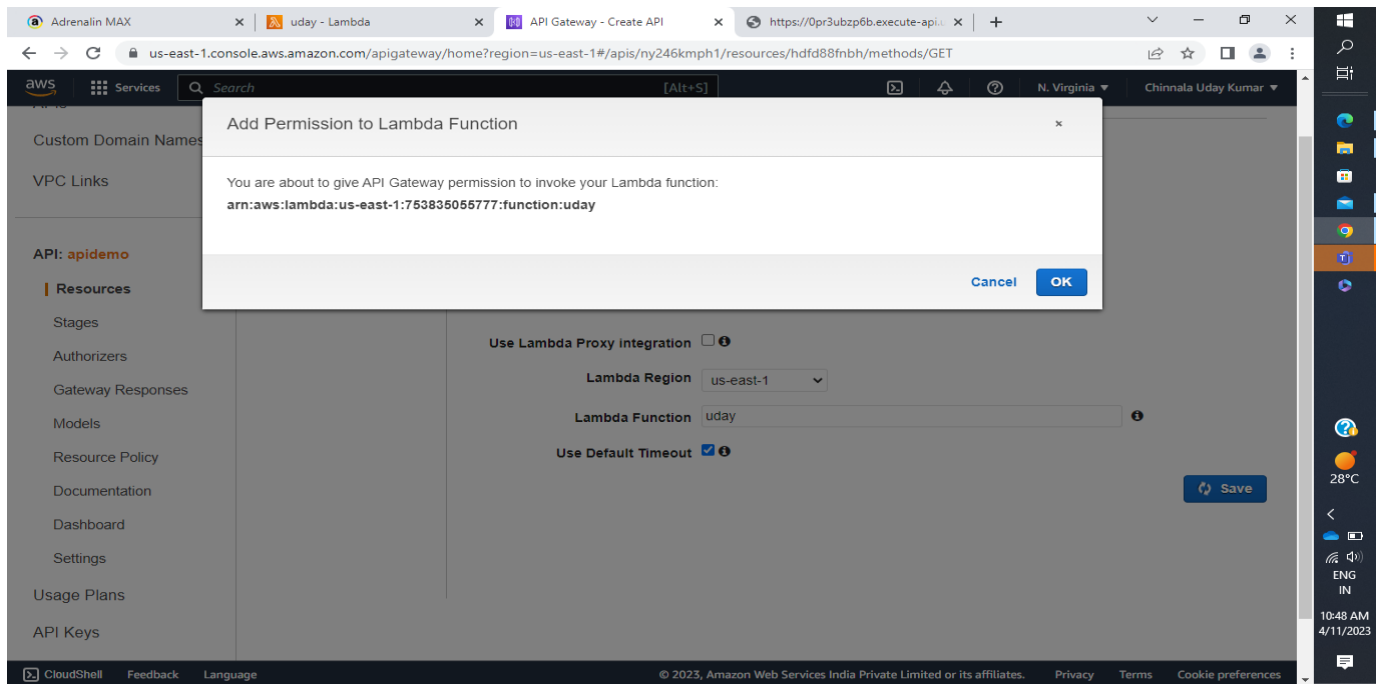
- Now give the Lambda function which u have created.



- GO to Action and deploy API







- Now you'll get the Invoke URL copy the url and open it in web browser

The screenshot shows the AWS API Gateway console for the 'demostage' stage. The 'Settings' tab is selected, showing the 'Invoke URL' as `https://ny246kmph1.execute-api.us-east-1.amazonaws.com/demostage`. Under 'Cache Settings', 'Enable API cache' is unchecked. Under 'Default Method Throttling', 'Enable throttling' is checked with a rate of 10000 requests per second and a burst of 5000 requests. The 'Web Application Firewall (WAF)' section is also visible.

- Now u can see the output in the browser.

The screenshot shows a web browser displaying the output of the API Gateway stage. The response is a JSON object: `{"statusCode": 200, "body": "Hello from Wissen!"}`. The browser address bar shows the URL `https://ny246kmph1.execute-api.us-east-1.amazonaws.com/demostage`.