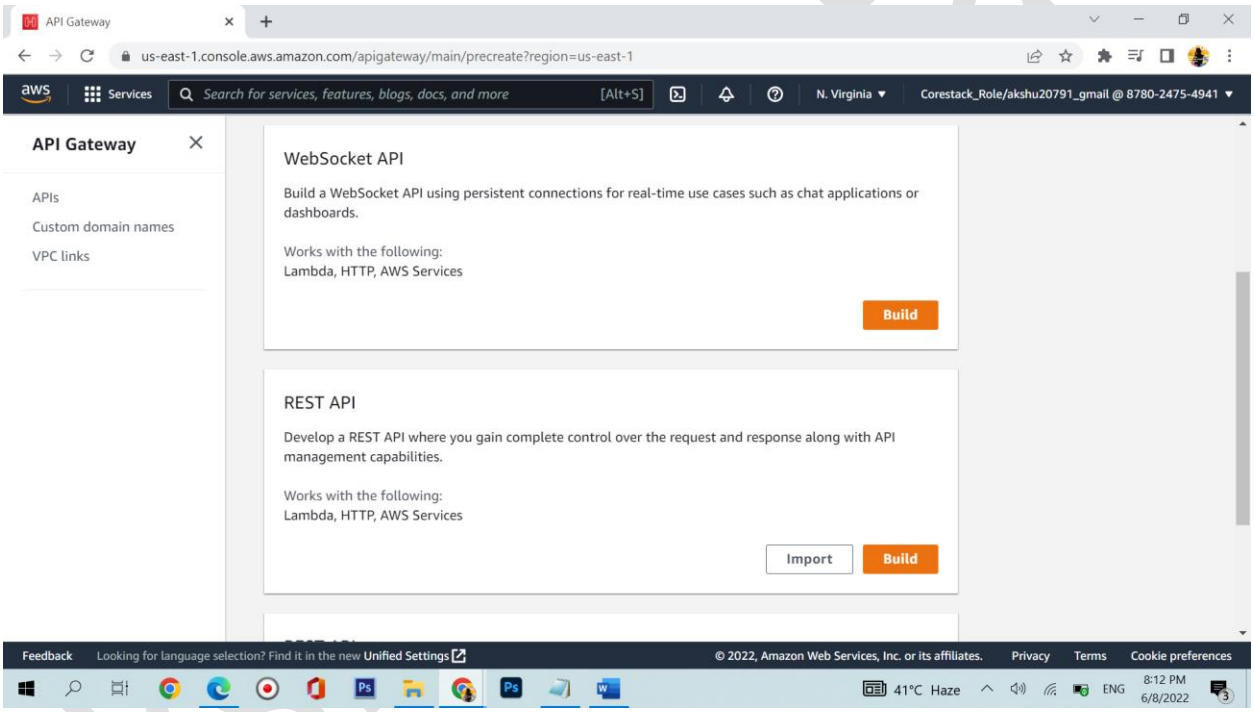
API Gateway :Amazon **API Gateway** is a fully managed service that makes it easy for developers to create, publish, maintain, monitor, and secure APIs at any scale.

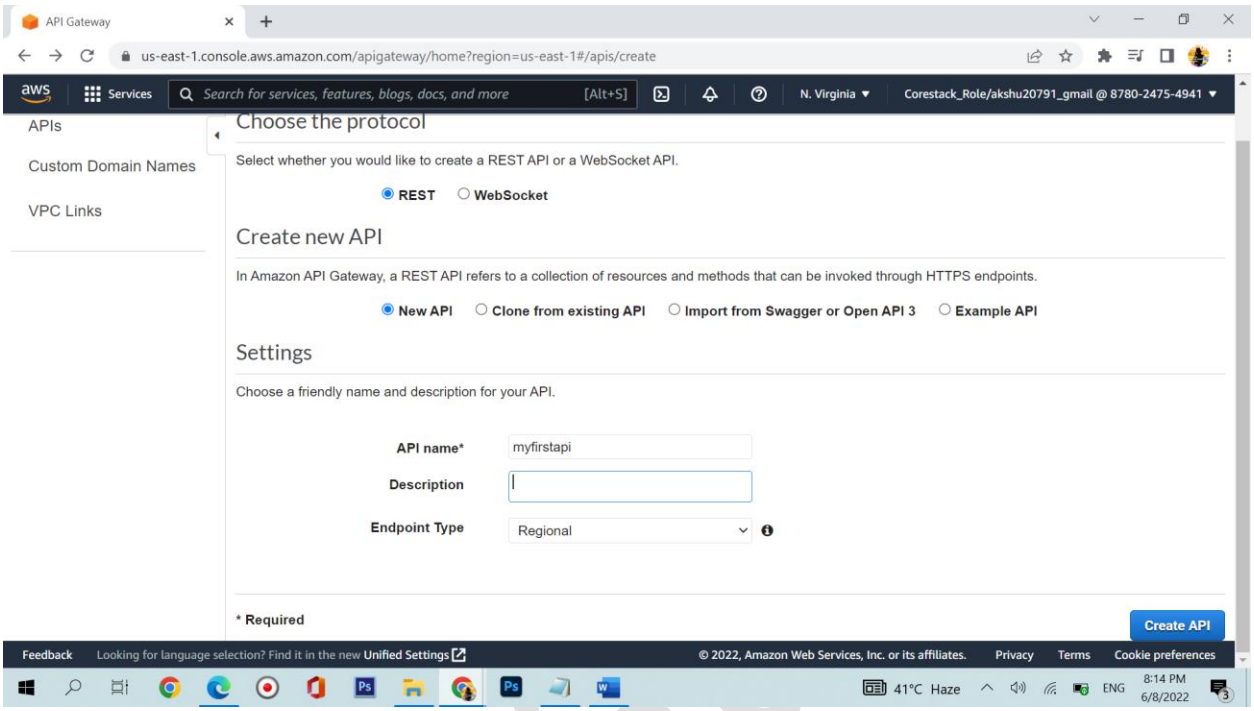
1) Go to API gateway

   Click on Create API

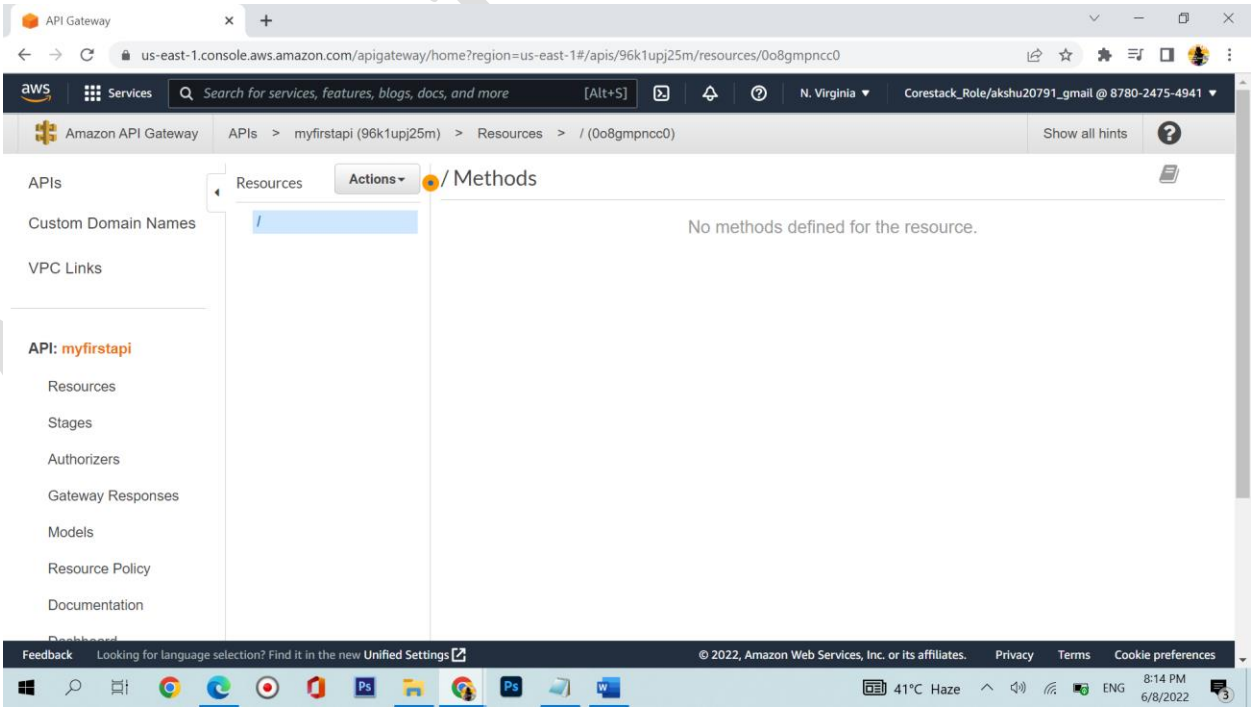
   Click on Rest API -> Build



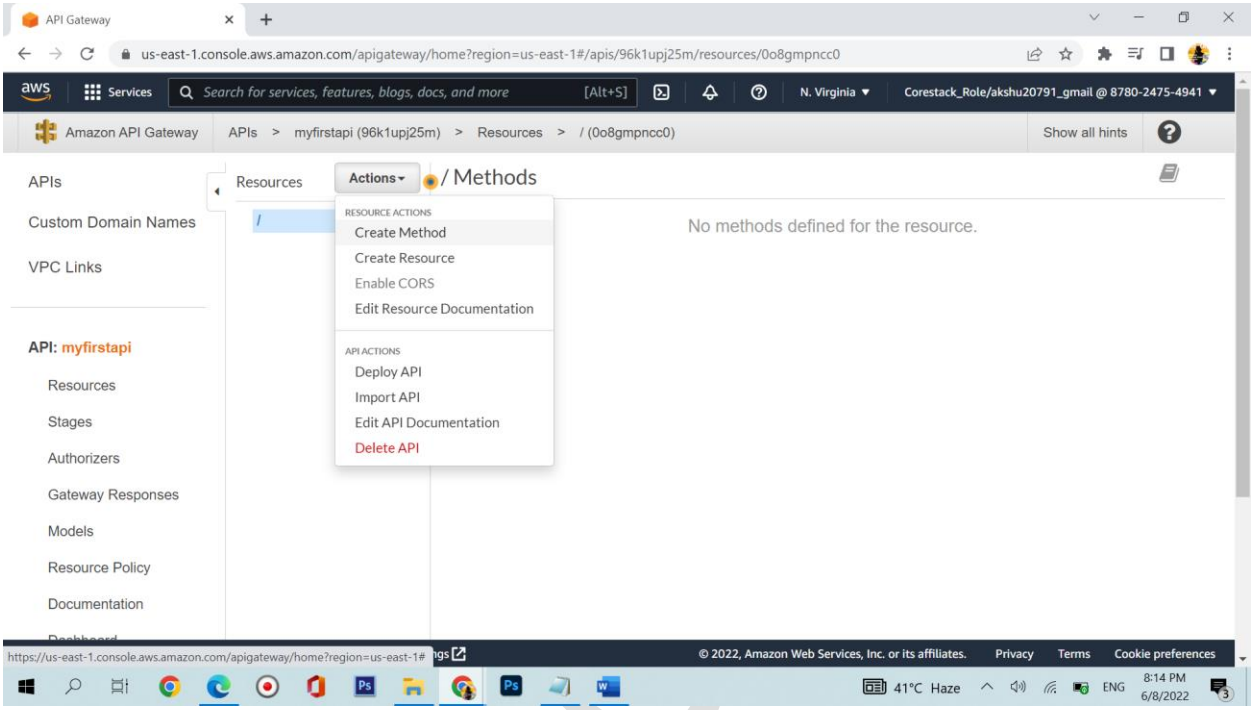
Now in Choose protocol -> Rest
Create a new api -> New api
Api name : Myfirstapi
Endpoint-> regional



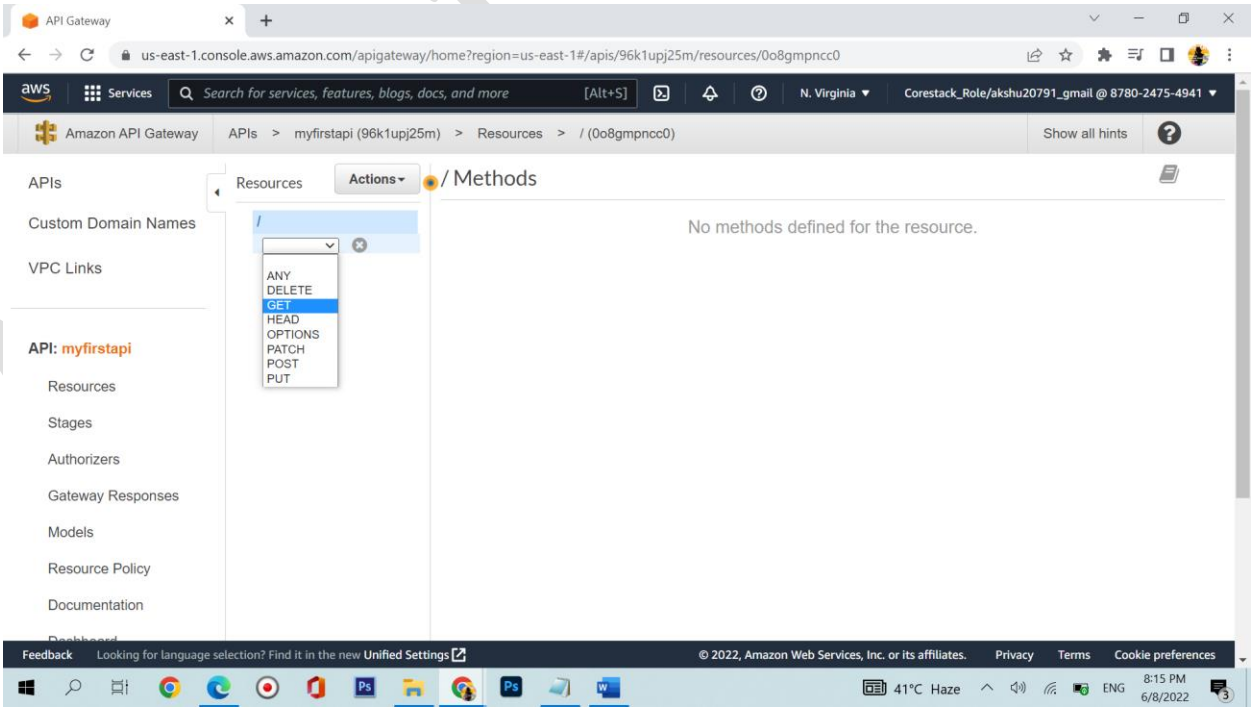
Such a page will open

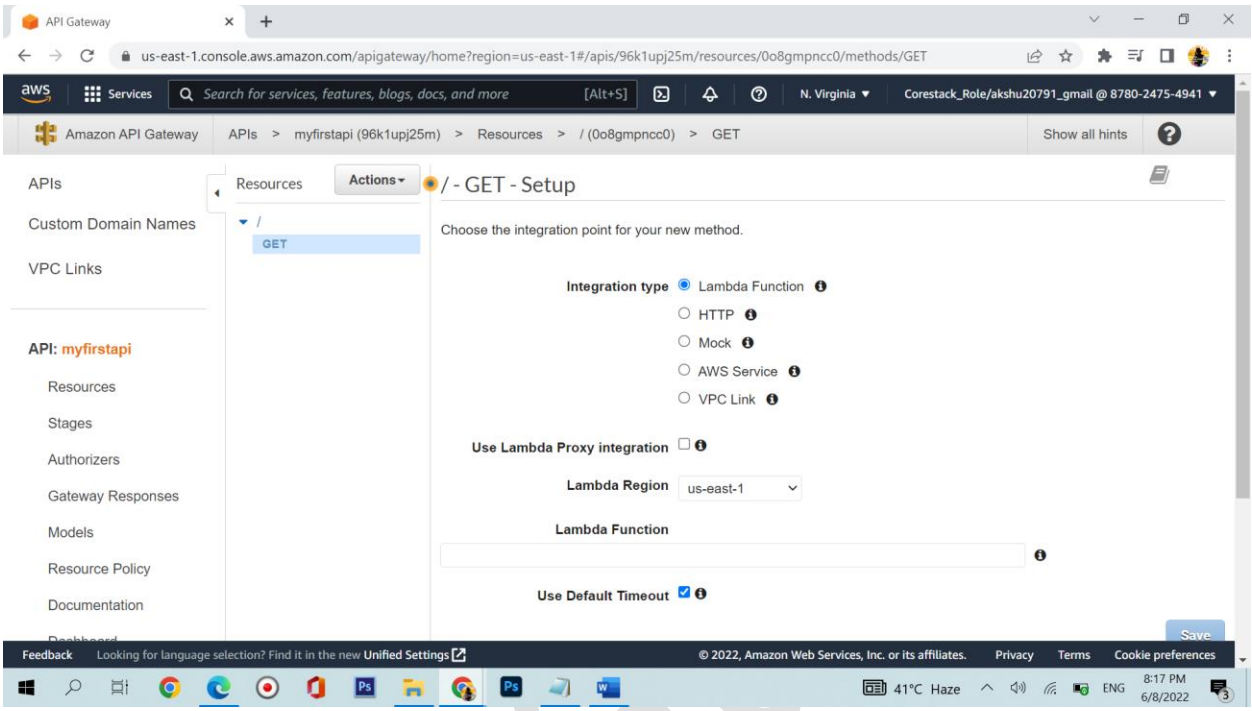


Click on Actions -> Create method



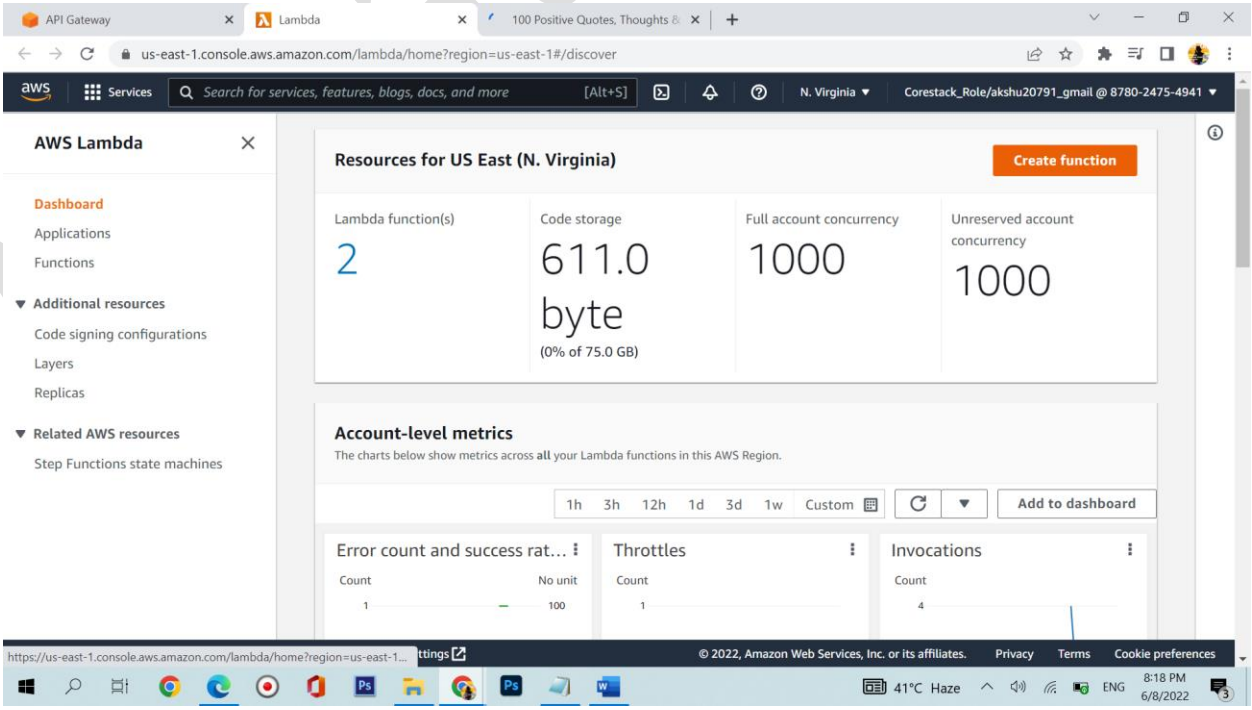
Click on GET





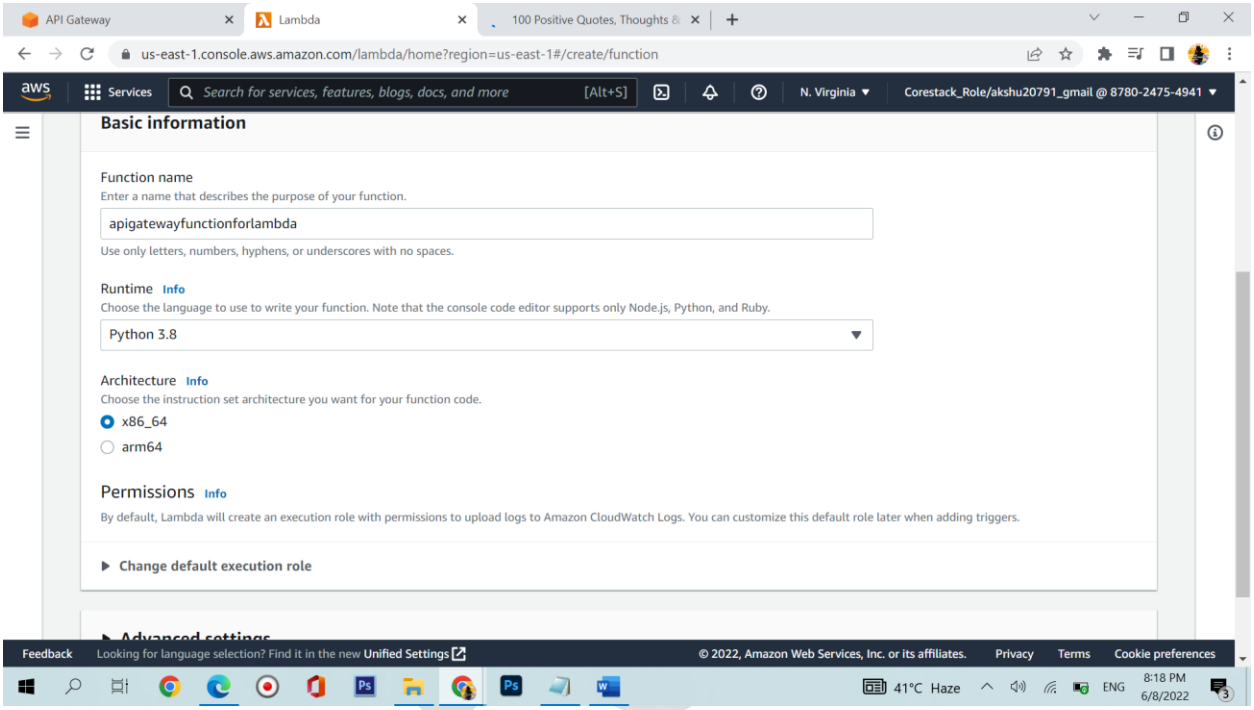
We have to create a lambda function . Go to Lambda
Tick Use lambda proxy integration

Create function

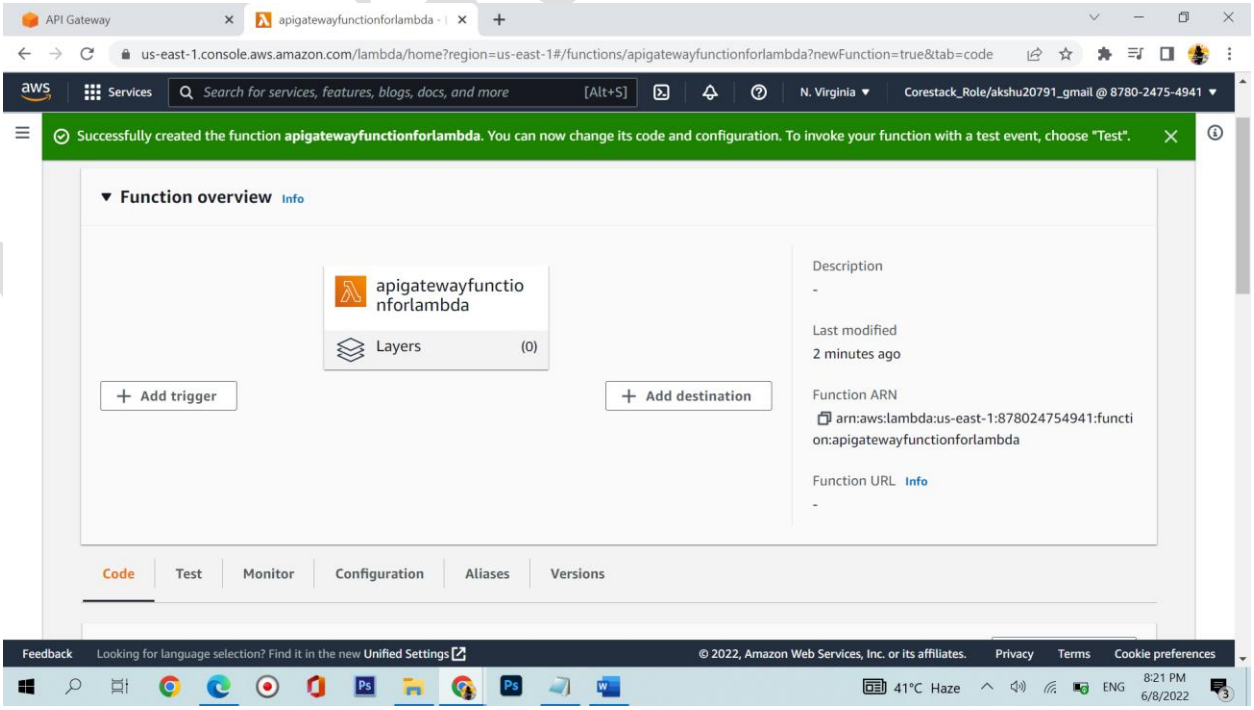


Function name: apigatewayfunctionforlambda

Runtime: Python 3.8

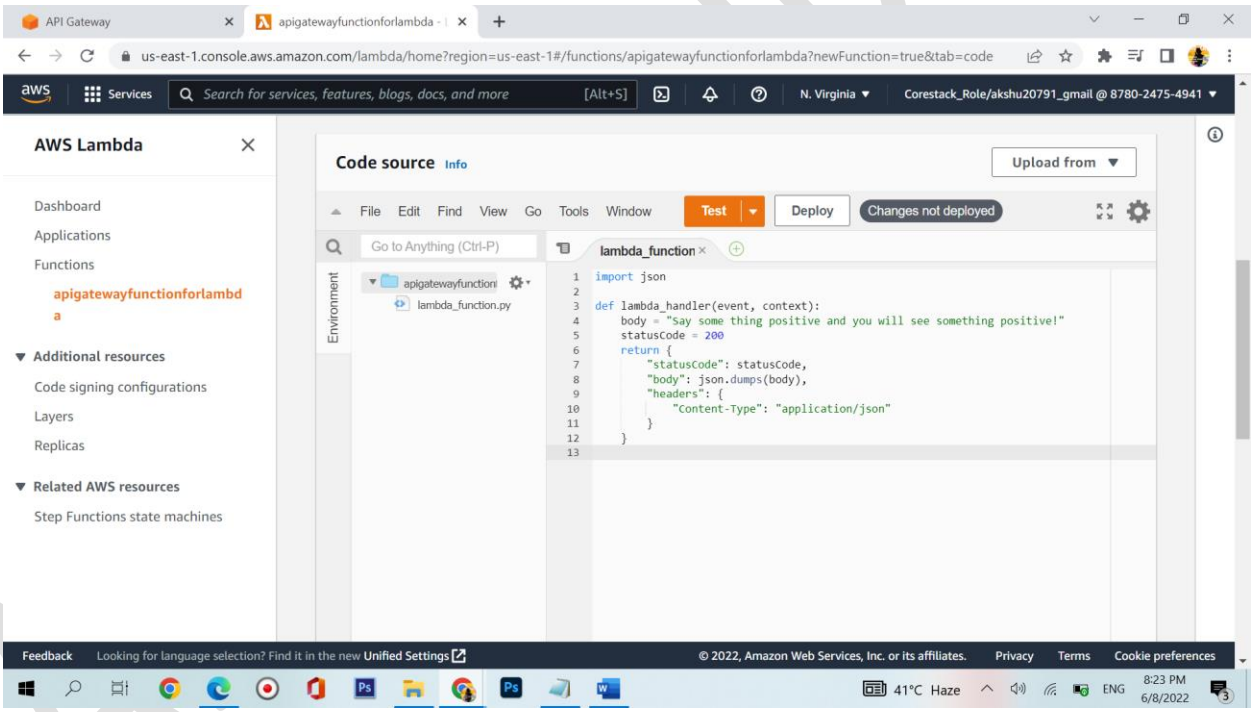


Create function

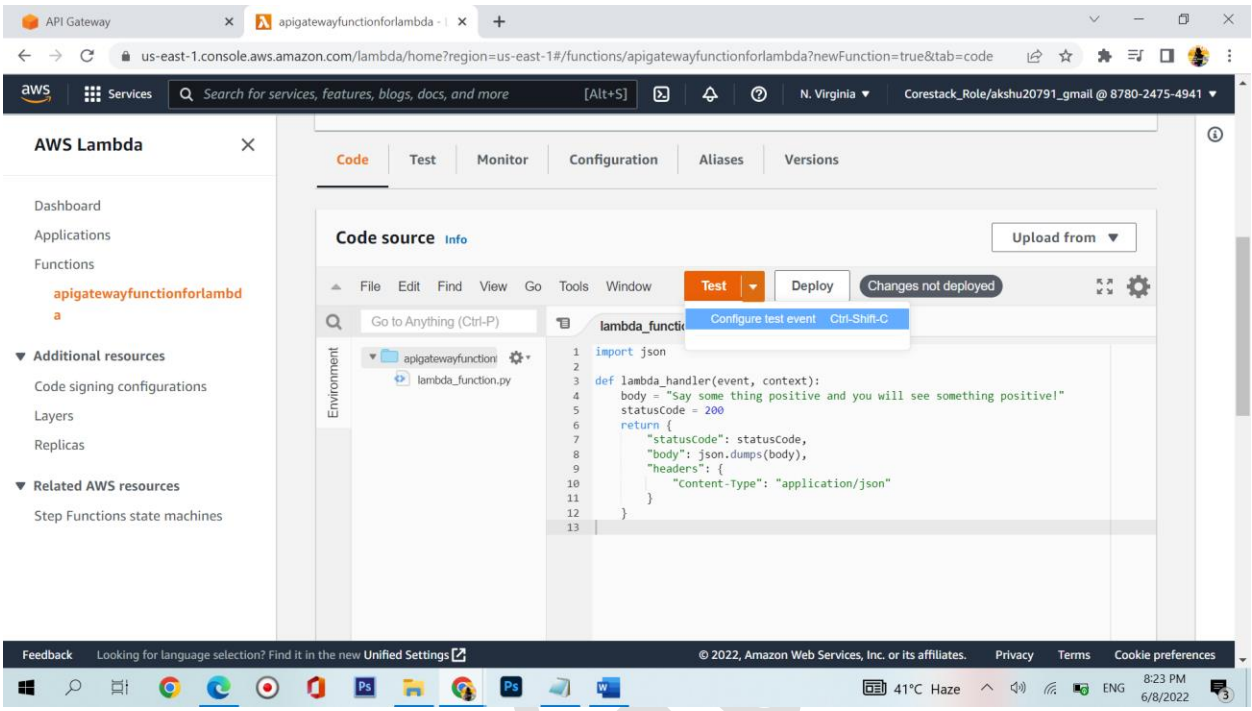


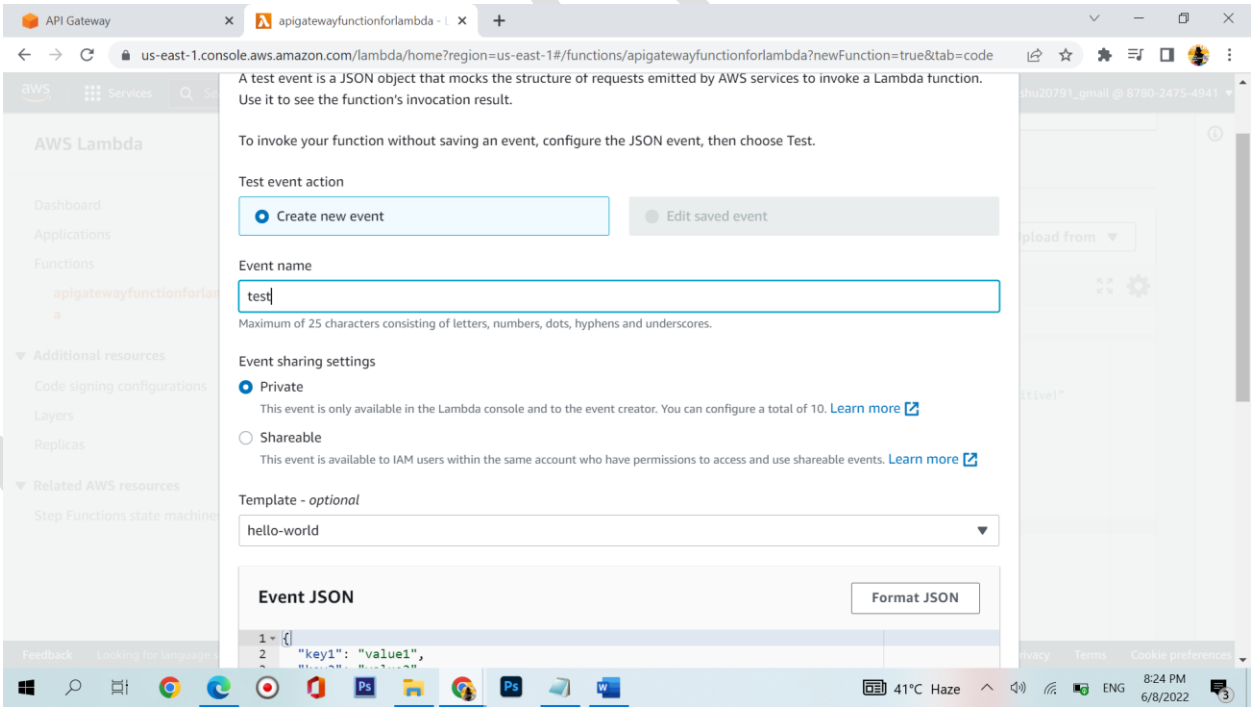
Now scroll down and paste the code

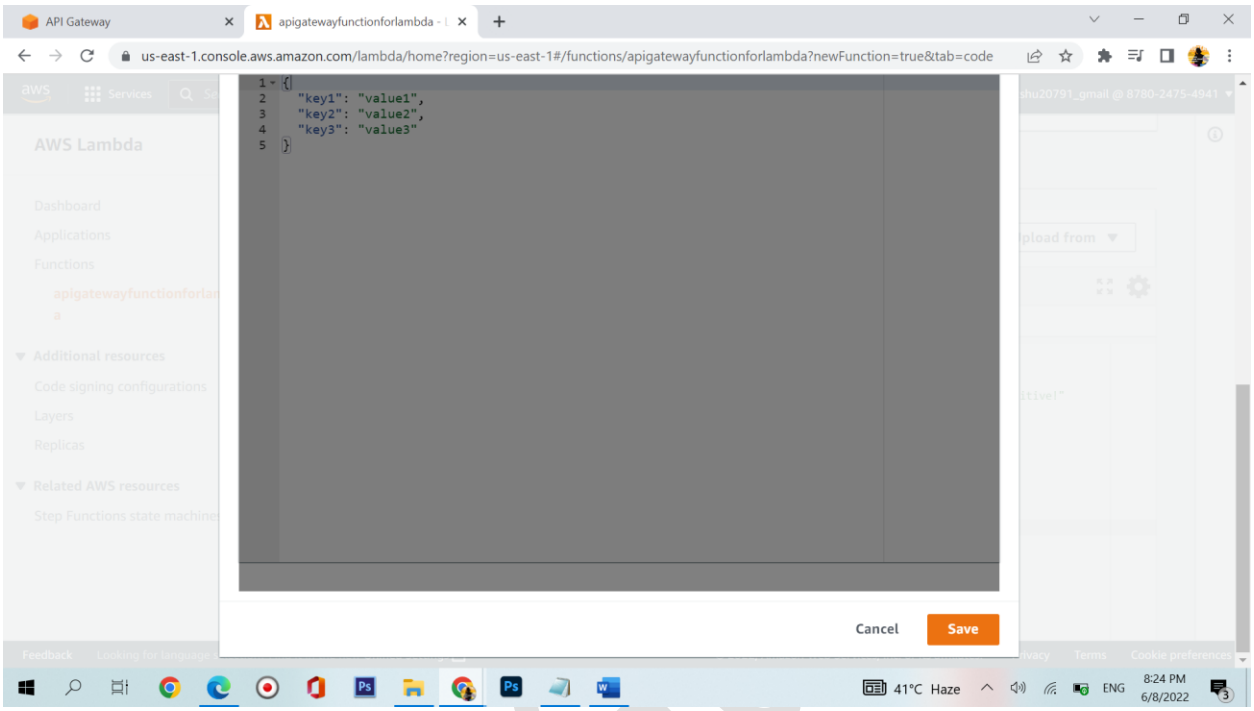
```
import json

def lambda_handler(event, context):
    body = "Say some thing positive and you will see something positive!"
    statusCode = 200
    return {
        "statusCode": statusCode,
        "body": json.dumps(body),
        "headers": {
            "Content-Type": "application/json"
        }
    }
```



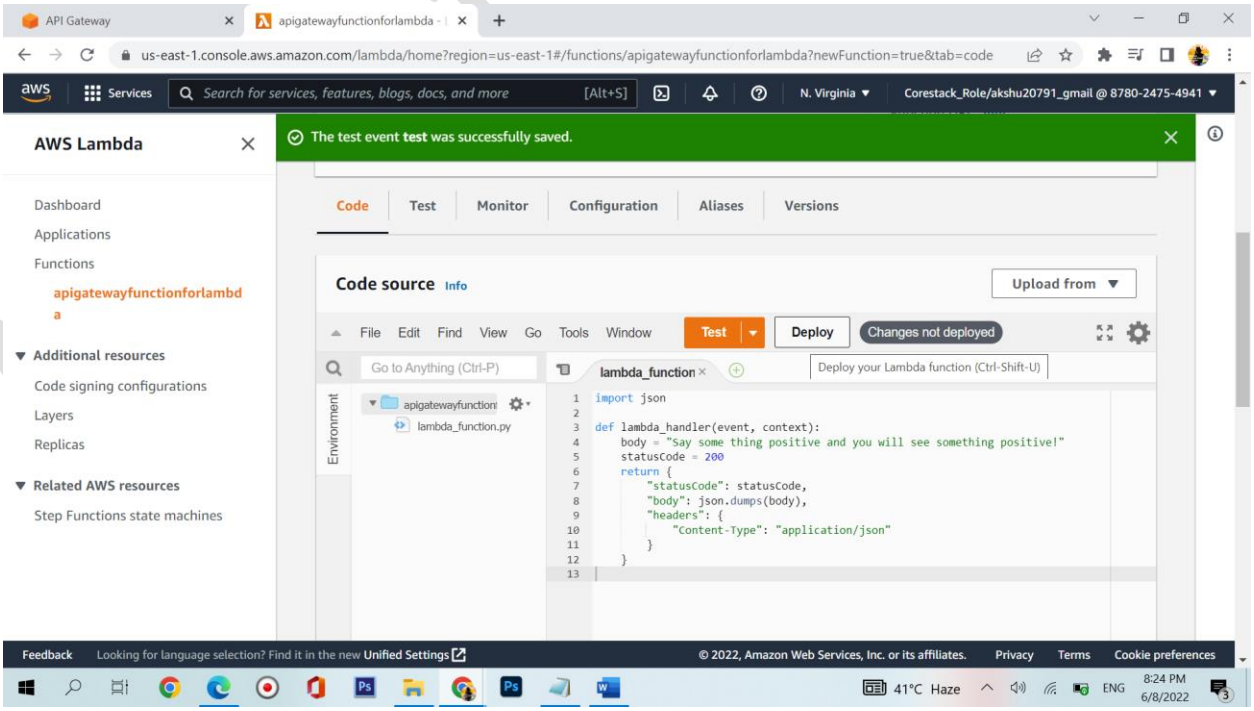
Now click on test


API Gateway
apigatewayfunctionforlambda
us-east-1.console.aws.amazon.com/lambda/home?region=us-east-1#/functions/apigatewayfunctionforlambda?newFunction=true&tab=code
Services
Search for services, features, blogs, docs, and more
[Alt+S]
N. Virginia
Corestack_Role/akshu20791_gmail @ 8780-2475-4941
AWS Lambda
Dashboard
Applications
Functions
apigatewayfunctionforlambda
Additional resources
Code signing configurations
Layers
Replicas
Related AWS resources
Step Functions state machines
Code
Test
Monitor
Configuration
Aliases
Versions
Code source Info
Upload from
File Edit Find View Go Tools Window
Test
Deploy
Changes not deployed
Configure test event Ctrl-Shift-C
Go to Anything (Ctrl-P)
Environment
apigatewayfunction
lambda_function.py
import json
def lambda_handler(event, context):
body = "Say some thing positive and you will see something positive!"
statusCode = 200
return {
"statusCode": statusCode,
"body": json.dumps(body),
"headers": {
"Content-Type": "application/json"
}
}
Feedback
Looking for language selection? Find it in the new Unified Settings
© 2022, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
41°C Haze
ENG
8:23 PM
6/8/2022

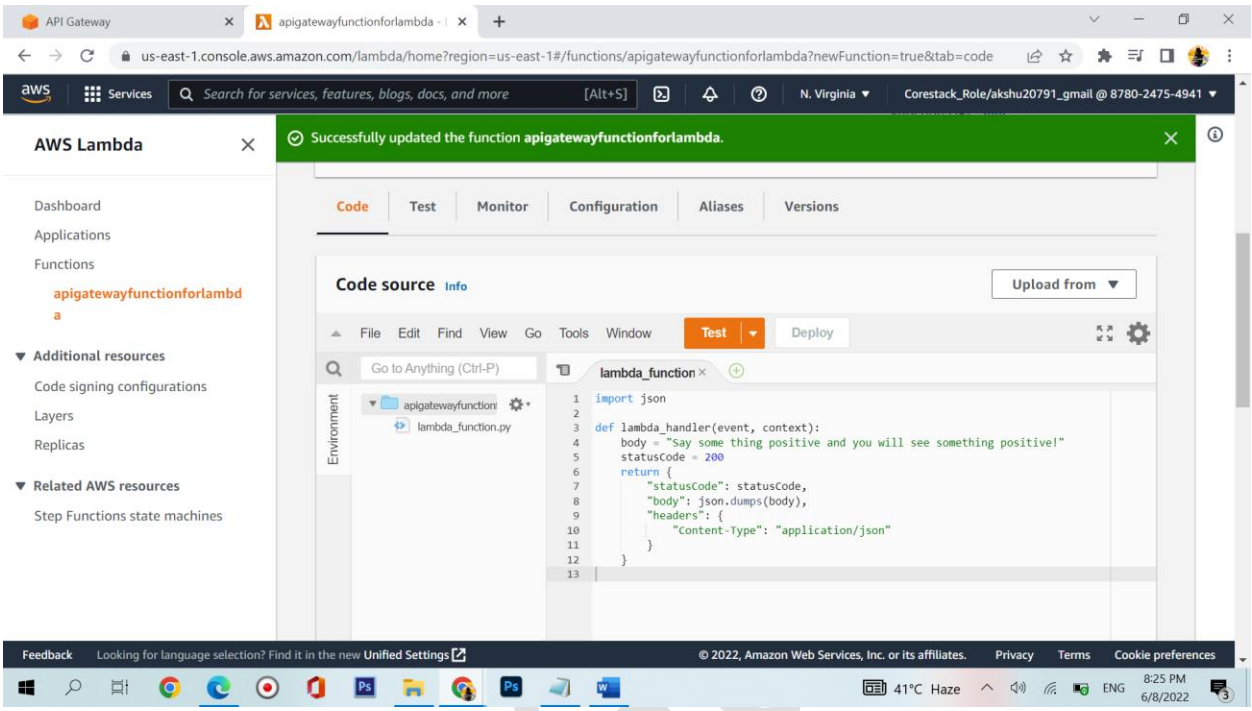

API Gateway
apigatewayfunctionforlambda
us-east-1.console.aws.amazon.com/lambda/home?region=us-east-1#/functions/apigatewayfunctionforlambda?newFunction=true&tab=code
A test event is a JSON object that mocks the structure of requests emitted by AWS services to invoke a Lambda function.
Use it to see the function's invocation result.
To invoke your function without saving an event, configure the JSON event, then choose Test.
Test event action
Create new event
Edit saved event
Event name
test
Maximum of 25 characters consisting of letters, numbers, dots, hyphens and underscores.
Event sharing settings
Private
This event is only available in the Lambda console and to the event creator. You can configure a total of 10. Learn more
Shareable
This event is available to IAM users within the same account who have permissions to access and use shareable events. Learn more
Template - optional
hello-world
Event JSON
Format JSON
{
"key1": "value1",
41°C Haze
ENG
8:24 PM
6/8/2022



Now deploy

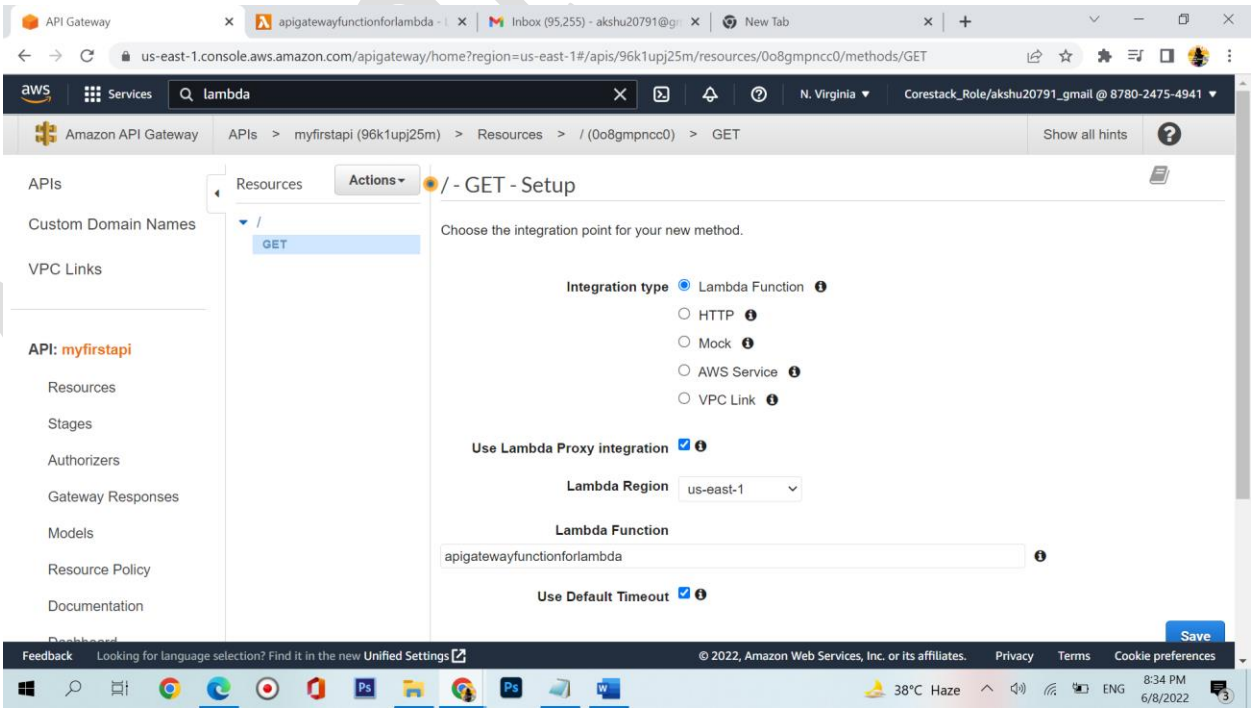


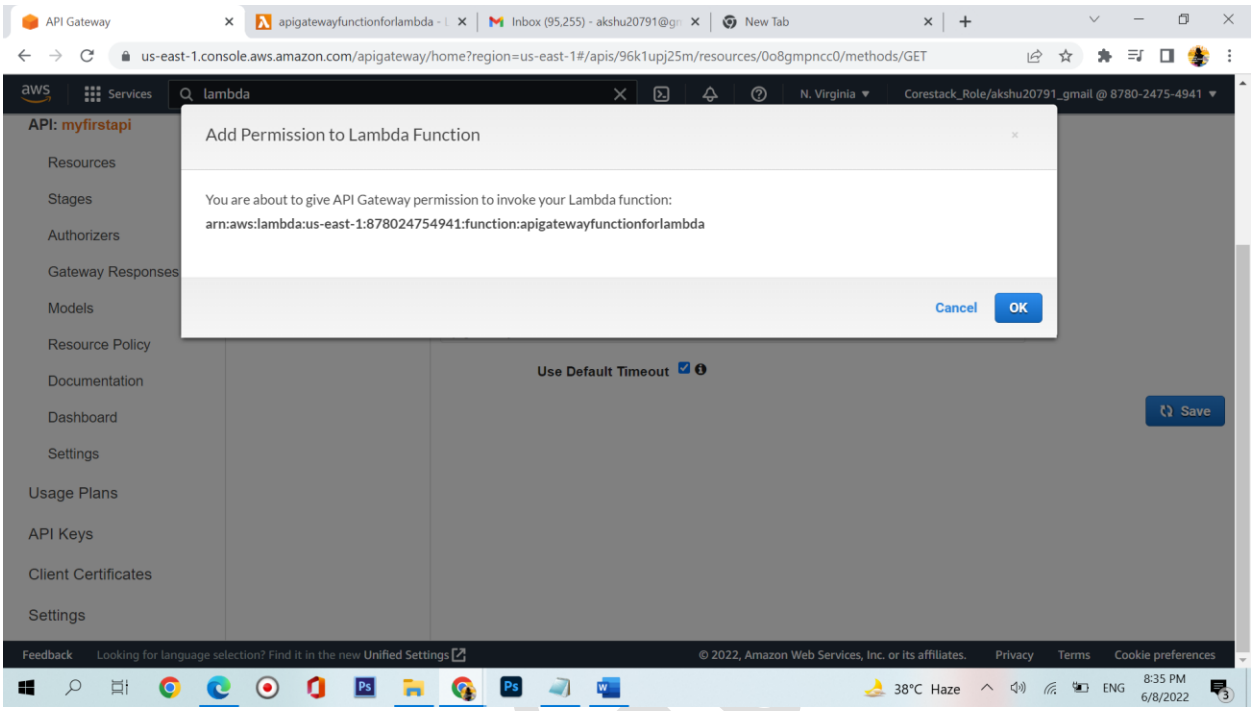
Changes deployed

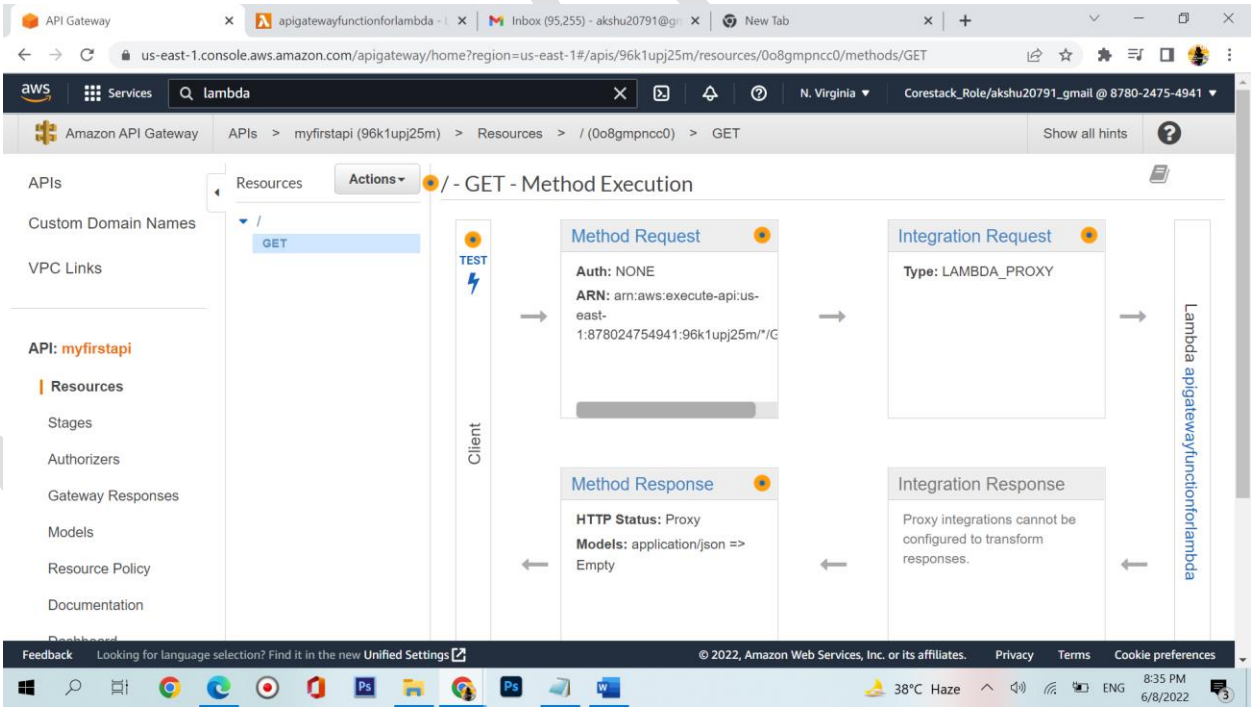


Now copy the lambda function name and go back and paste it in API gateway

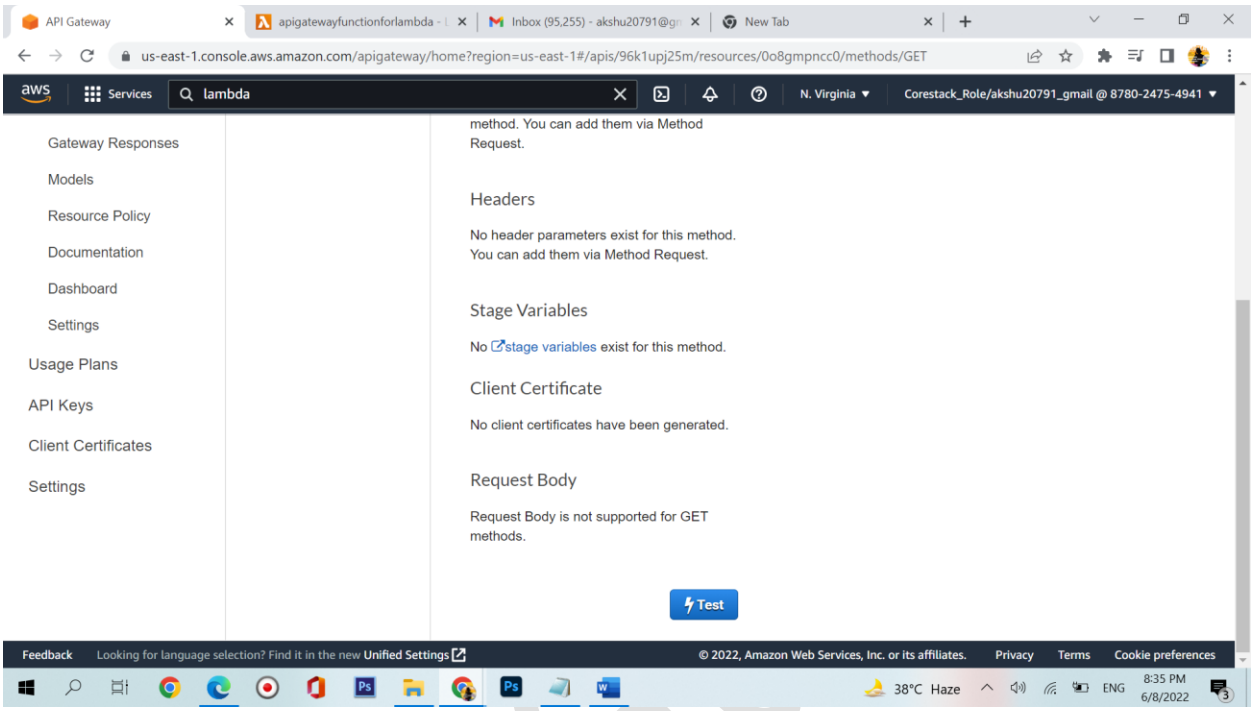
Paste apigatewayfunctionforlambda (lambda function name) in api gateway



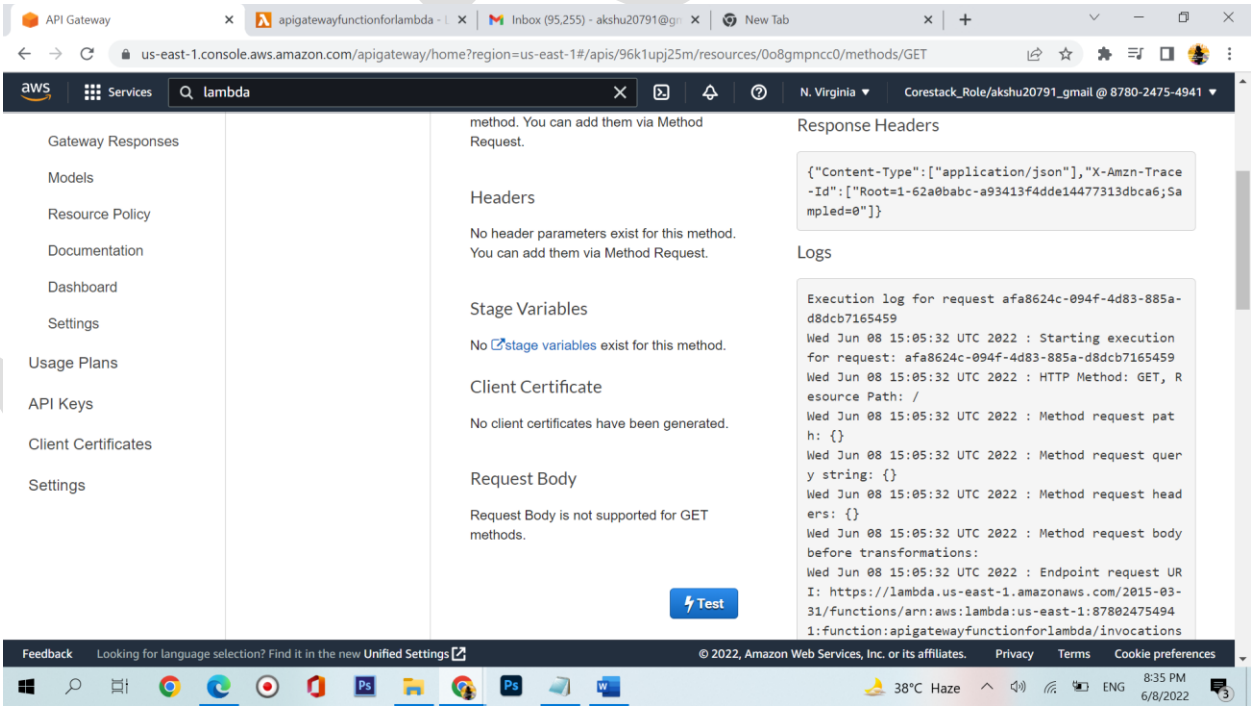




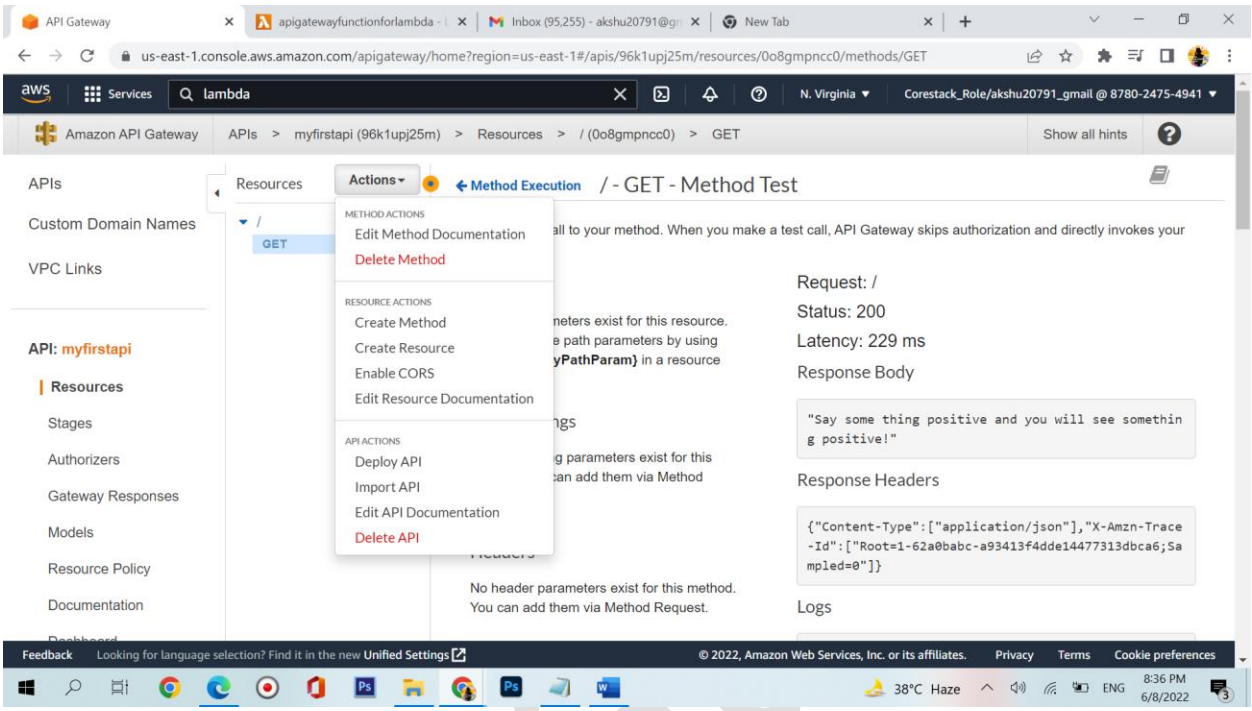
Click on TEST



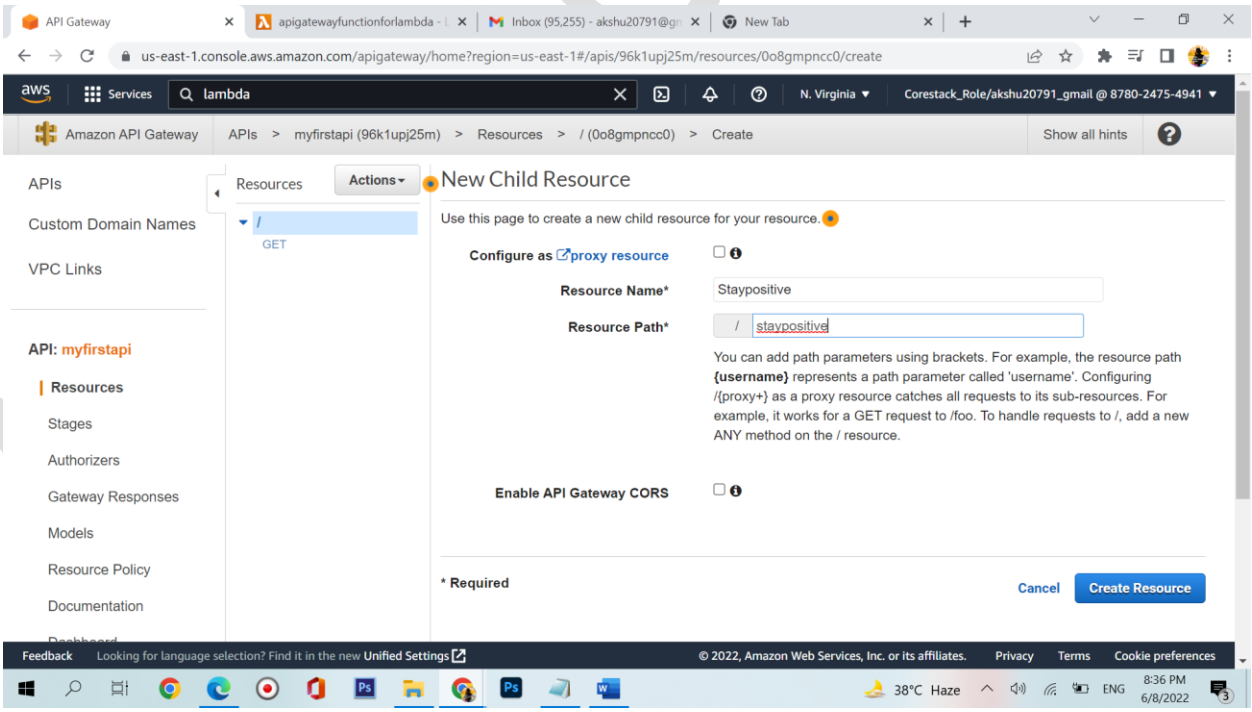
Click test again

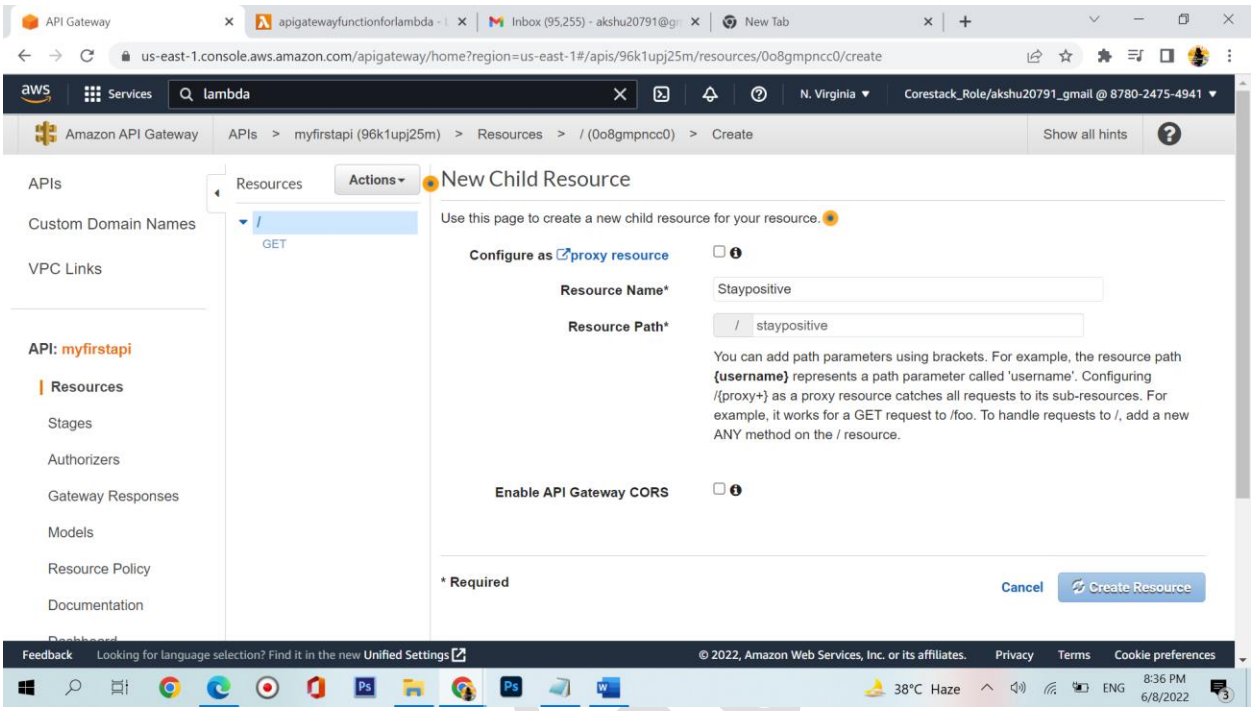


Now Create resource

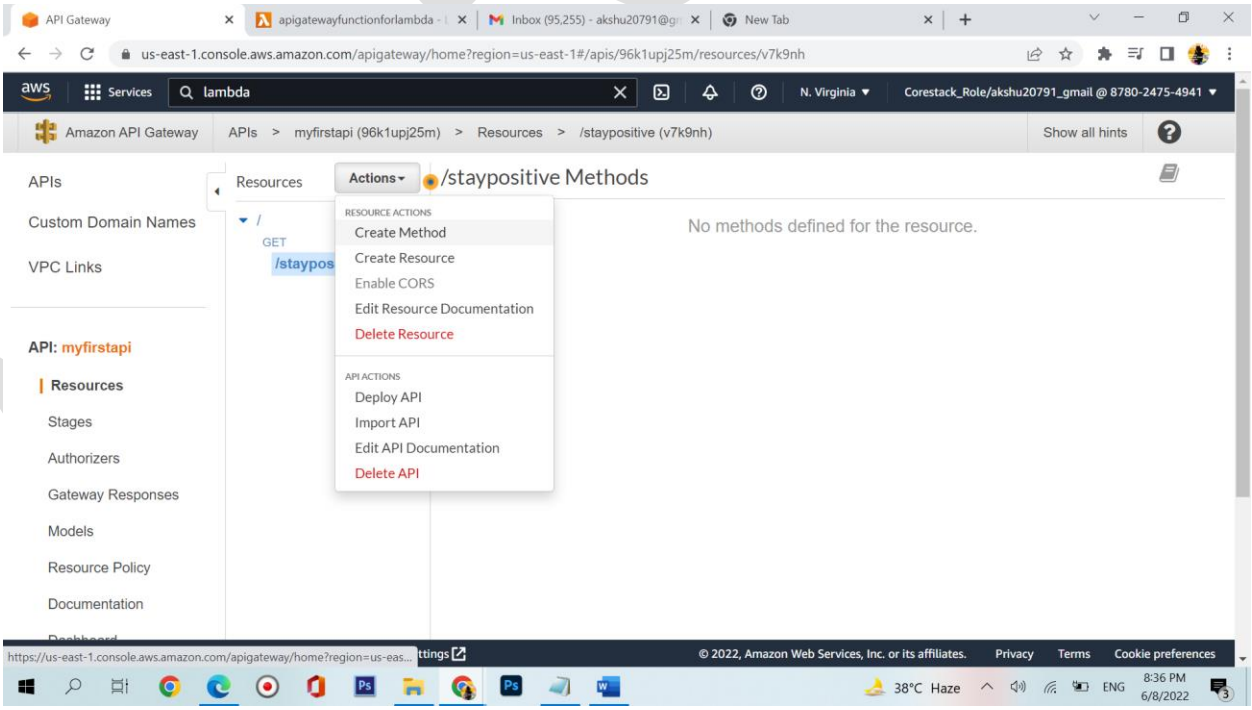


Give resource name

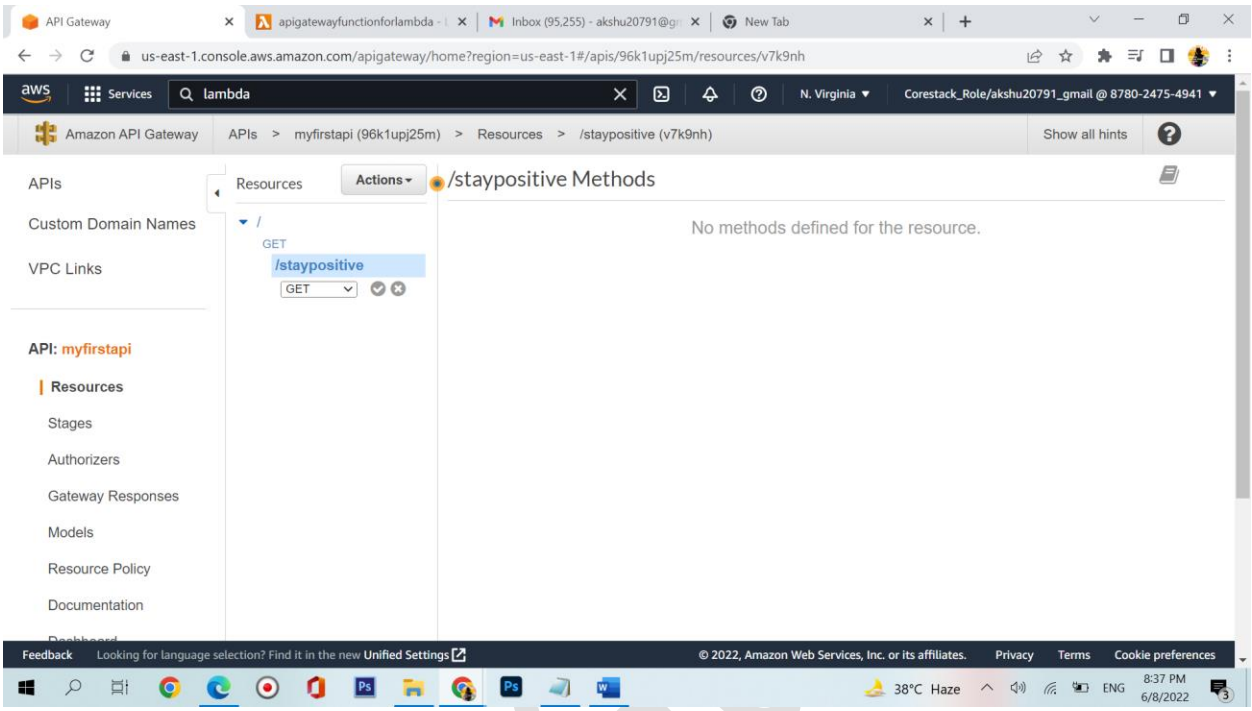




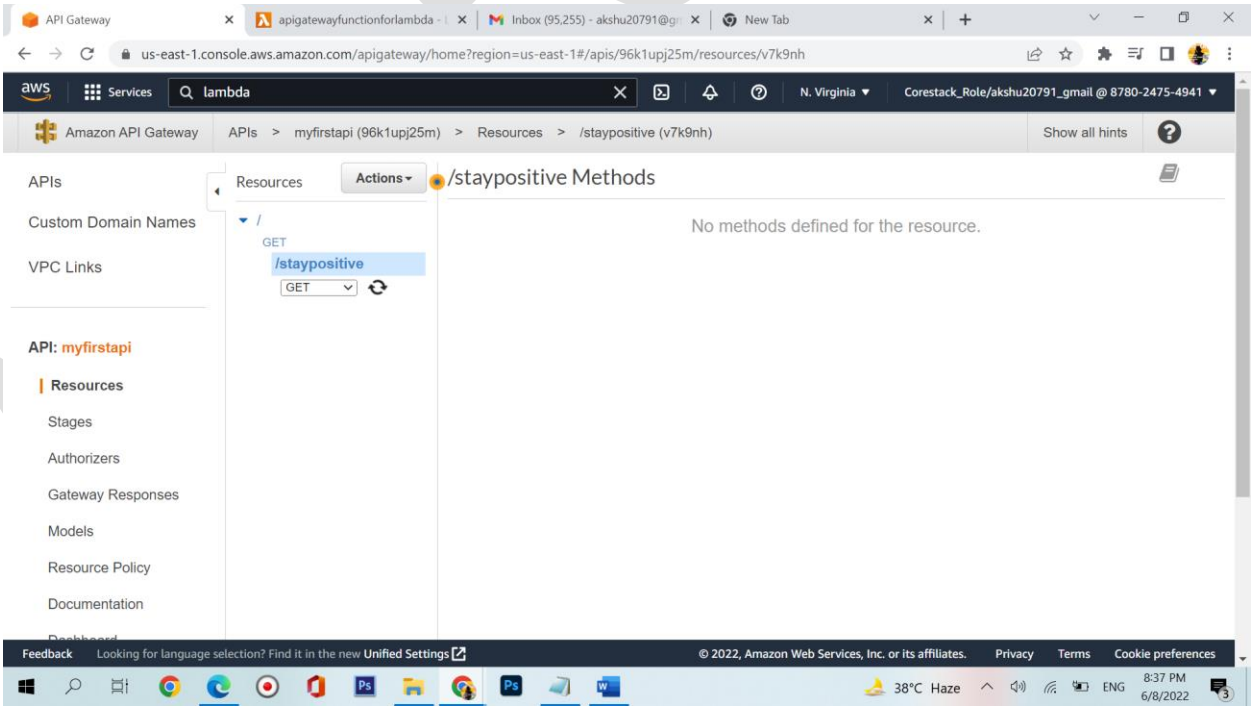
Create method



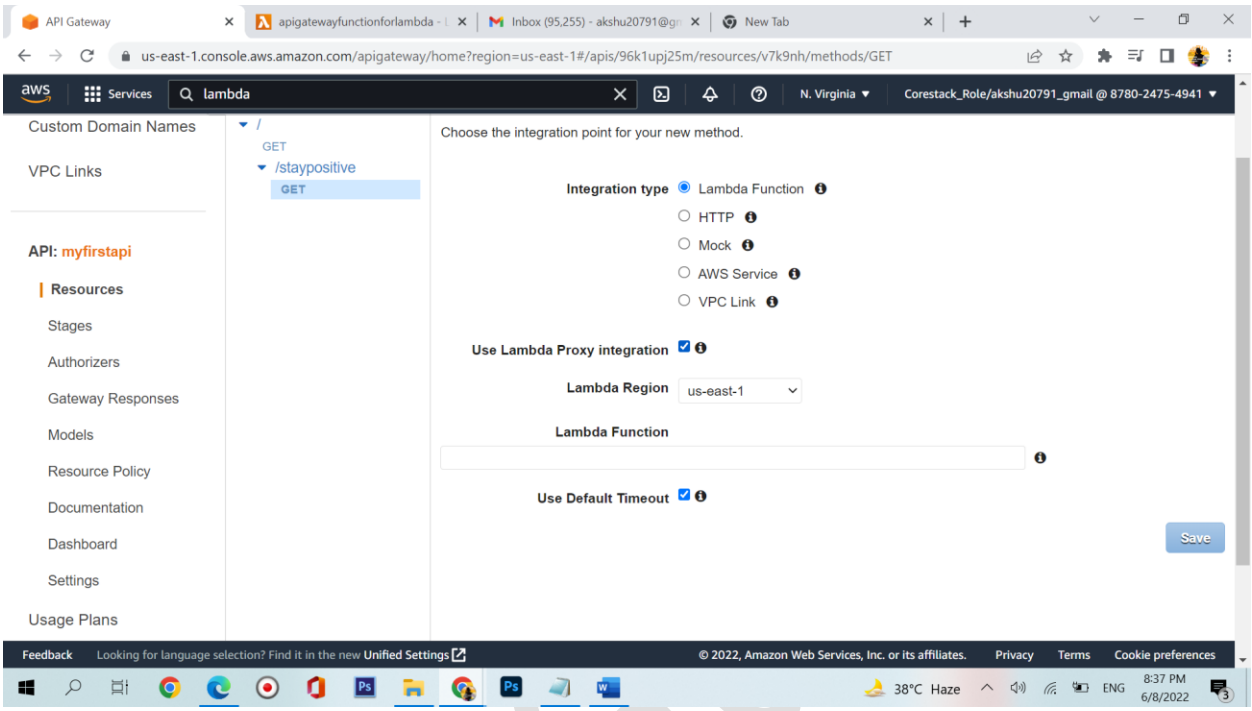
Select GET



Click on Tick

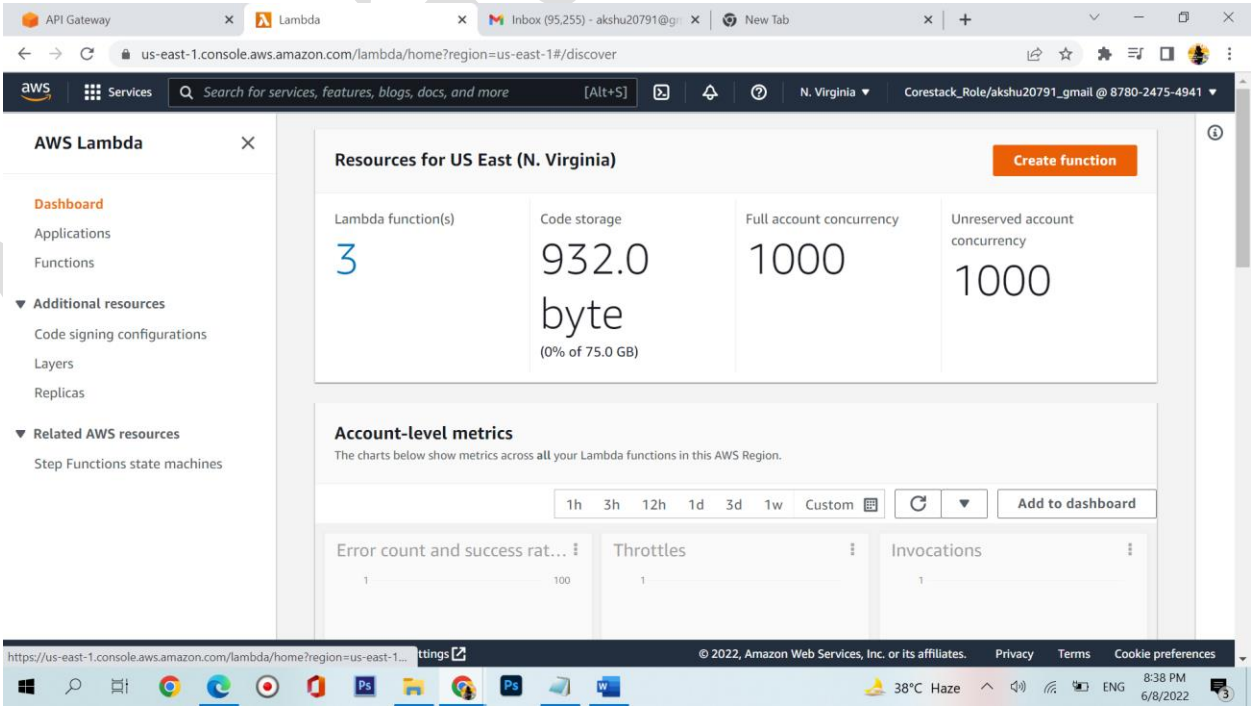


Tick use lambda proxy integration

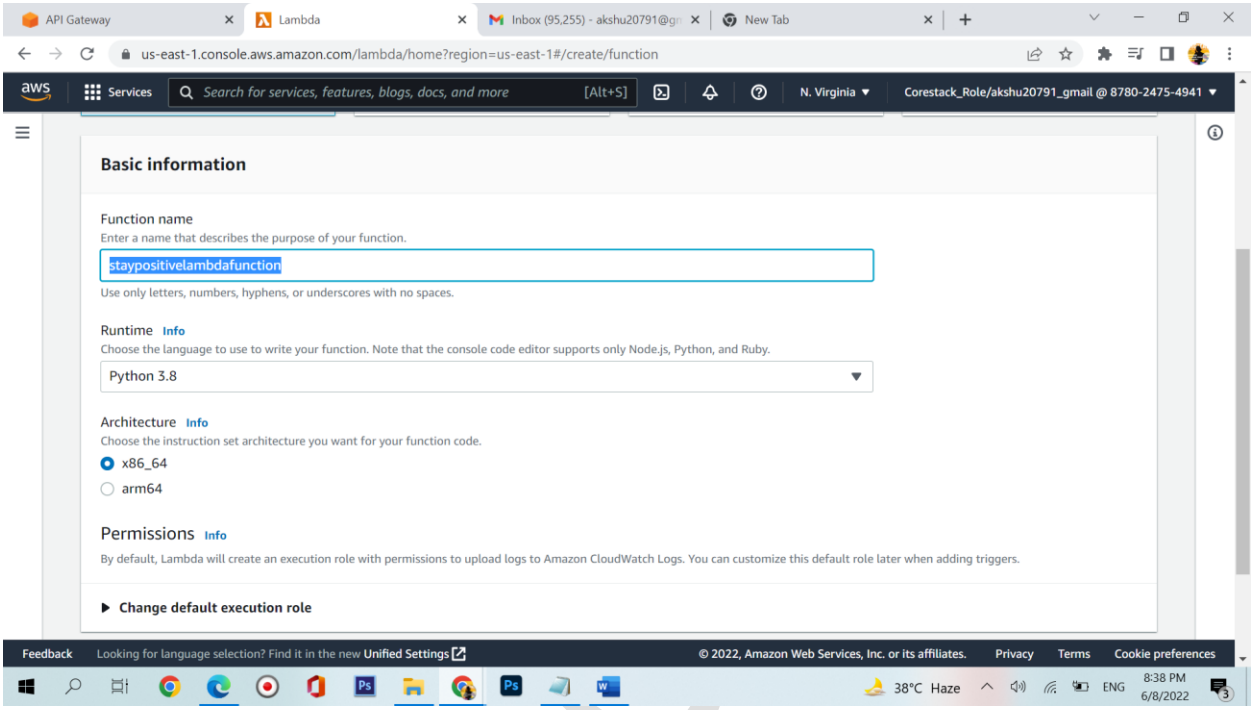


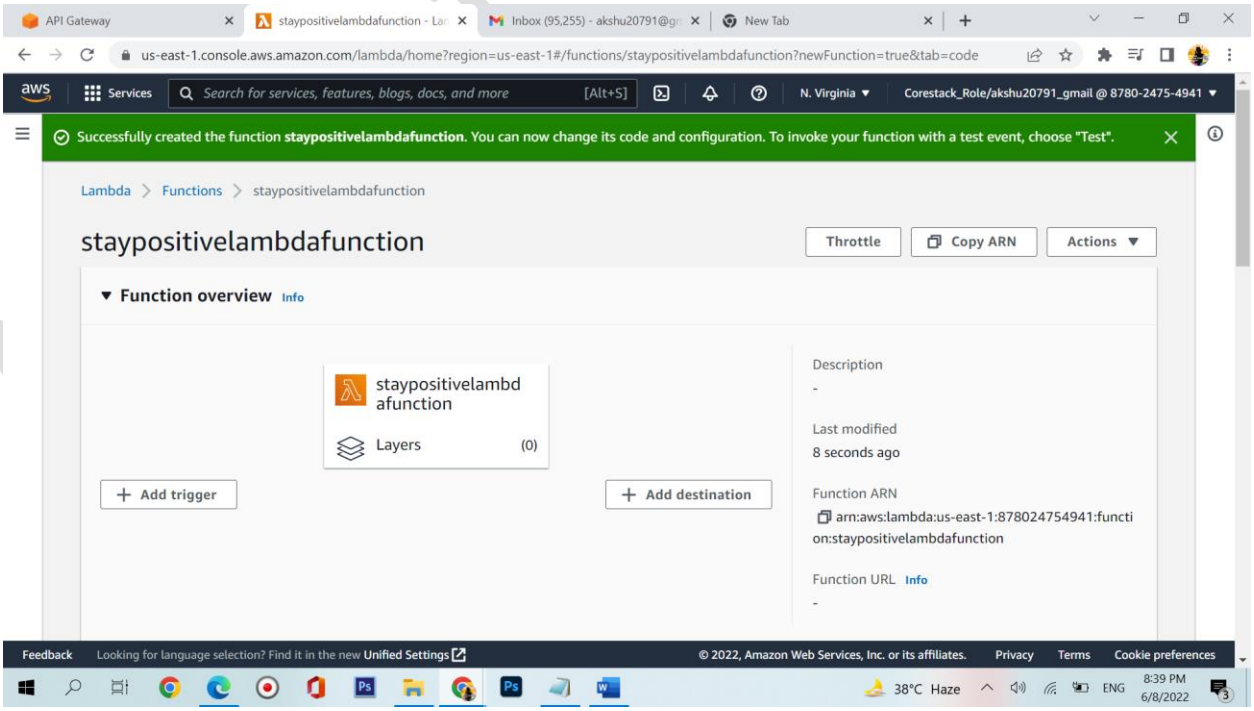
For lambda function ..again go to lambda function

Create a new lambda function



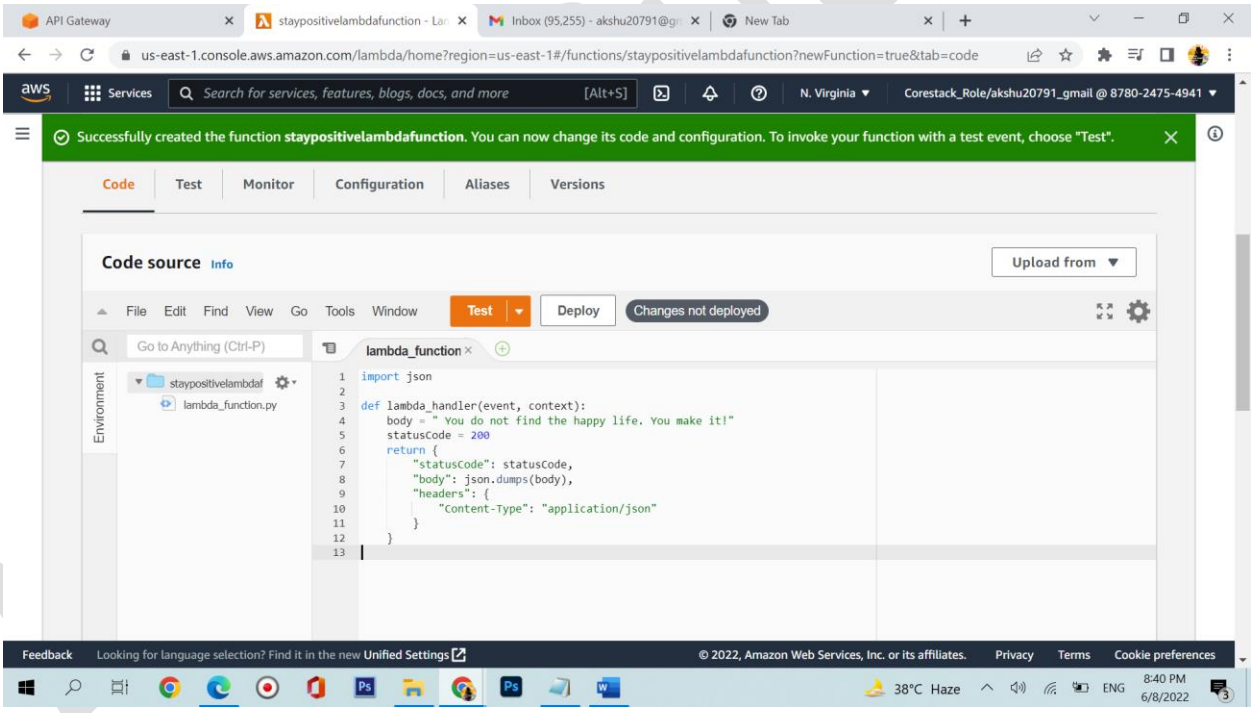
Give name : staypositivelambdafunction
Runtime: python 3.8



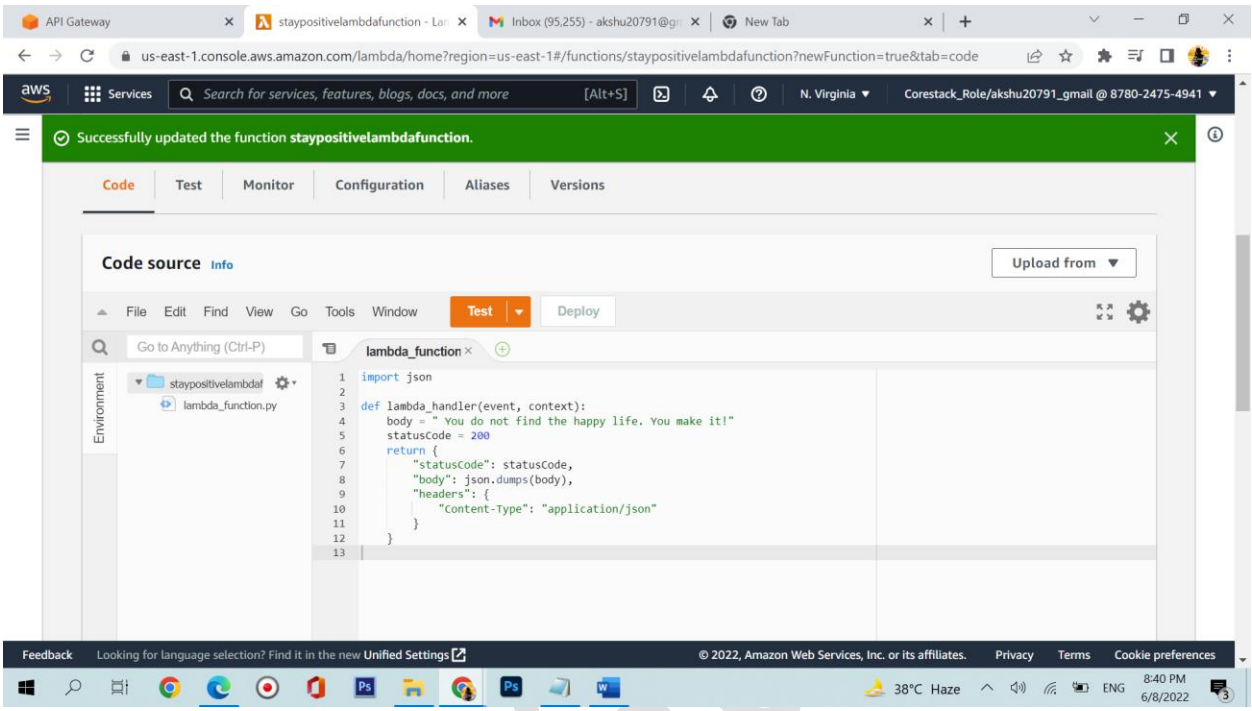


Put the code

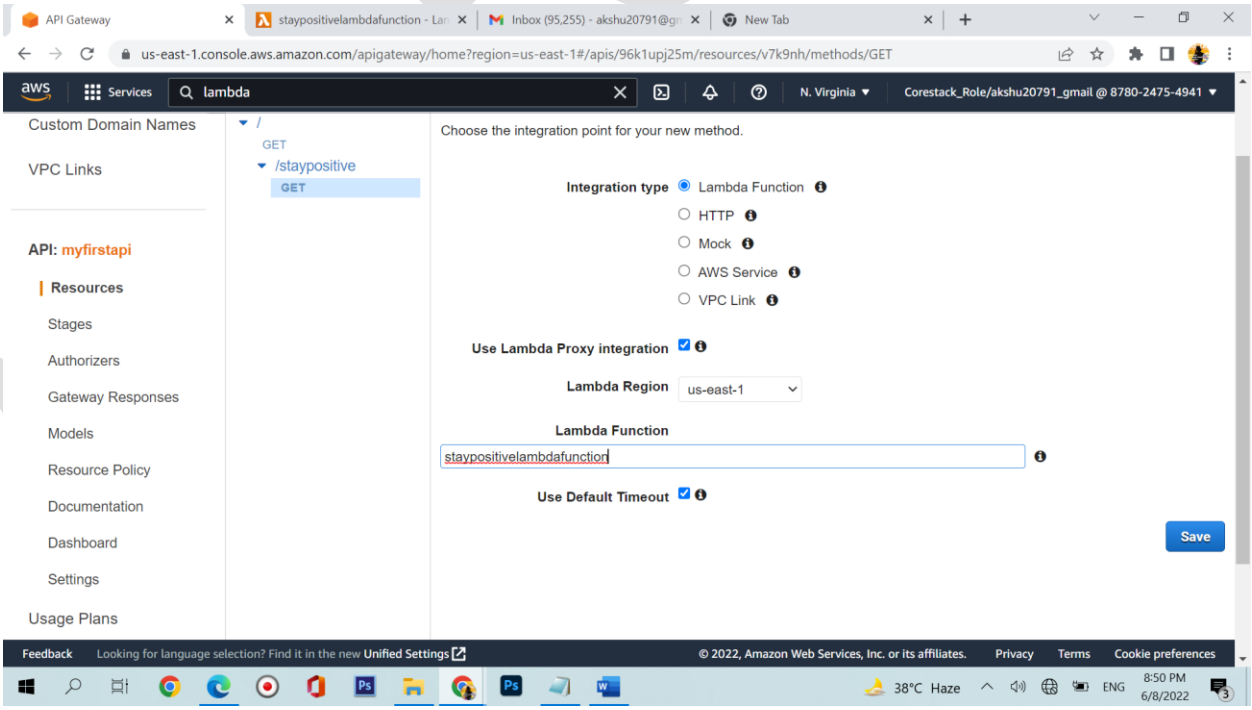
```
import json

def lambda_handler(event, context):
    body = " You do not find the happy life. You make it!"
    statusCode = 200
    return {
        "statusCode": statusCode,
        "body": json.dumps(body),
        "headers": {
            "Content-Type": "application/json"
        }
    }
```

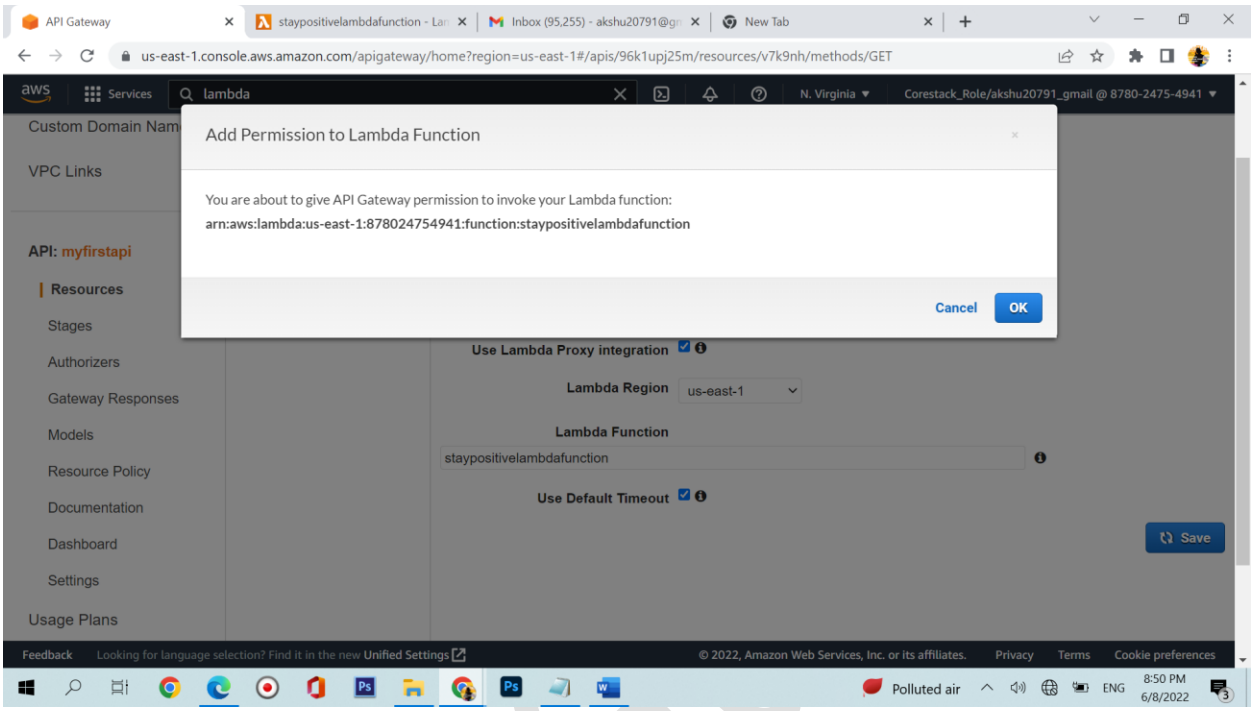


Deploy the code

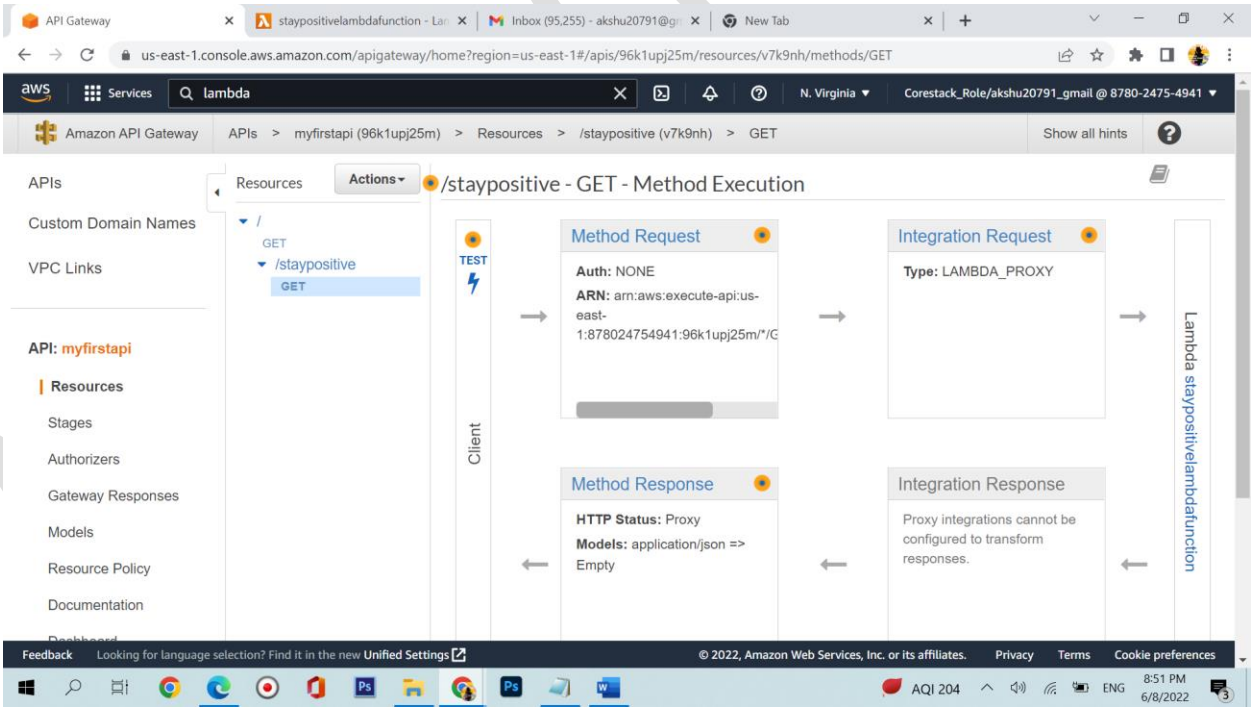


Come back to API gateway and paste the lamba function name there

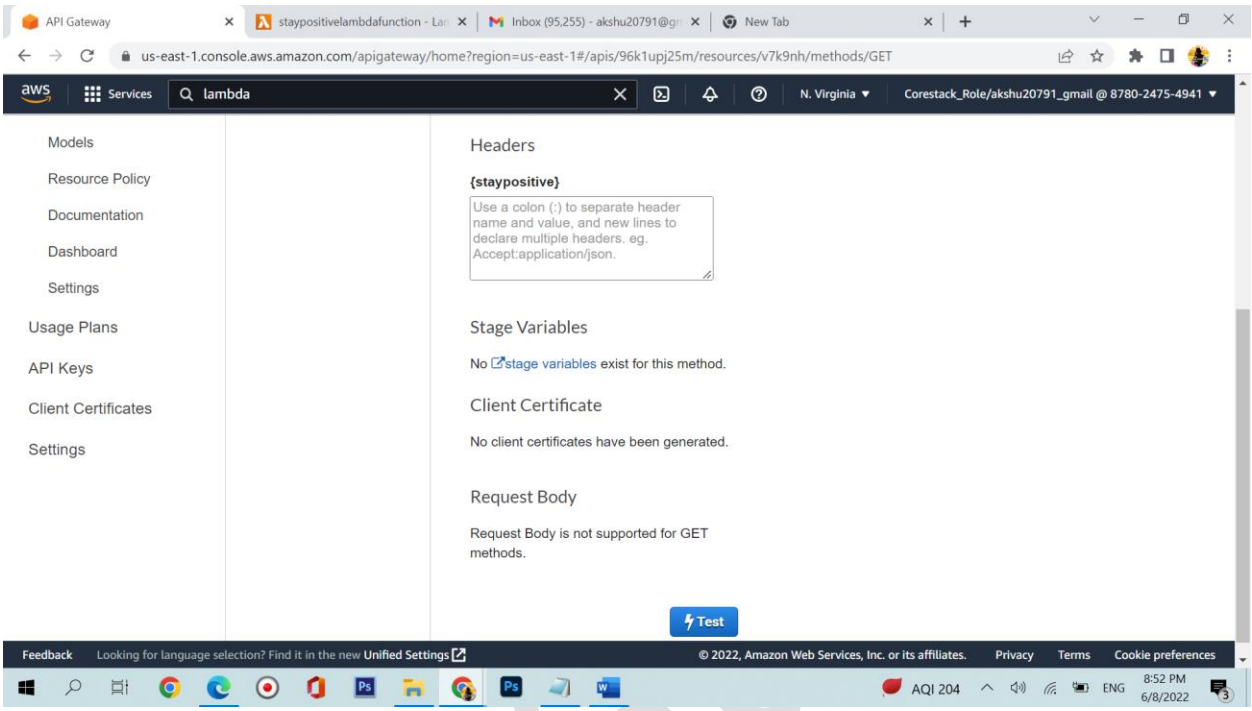


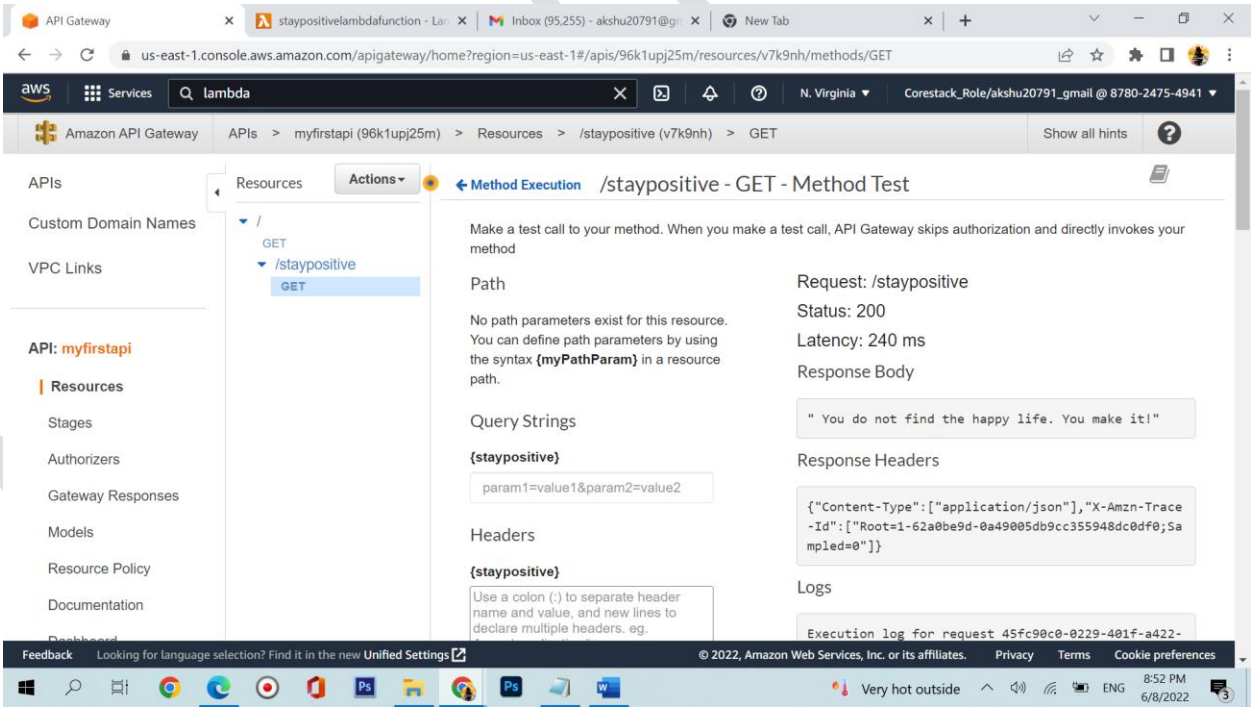


Click on TEST

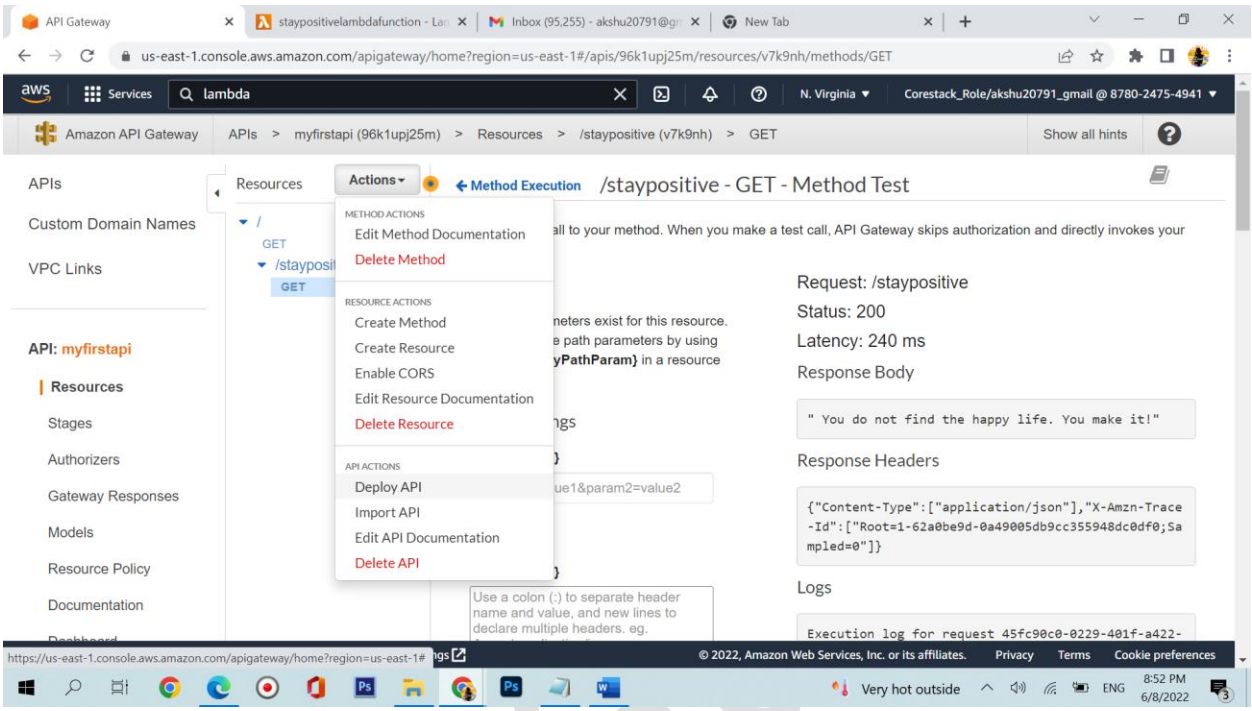


Click on TEST



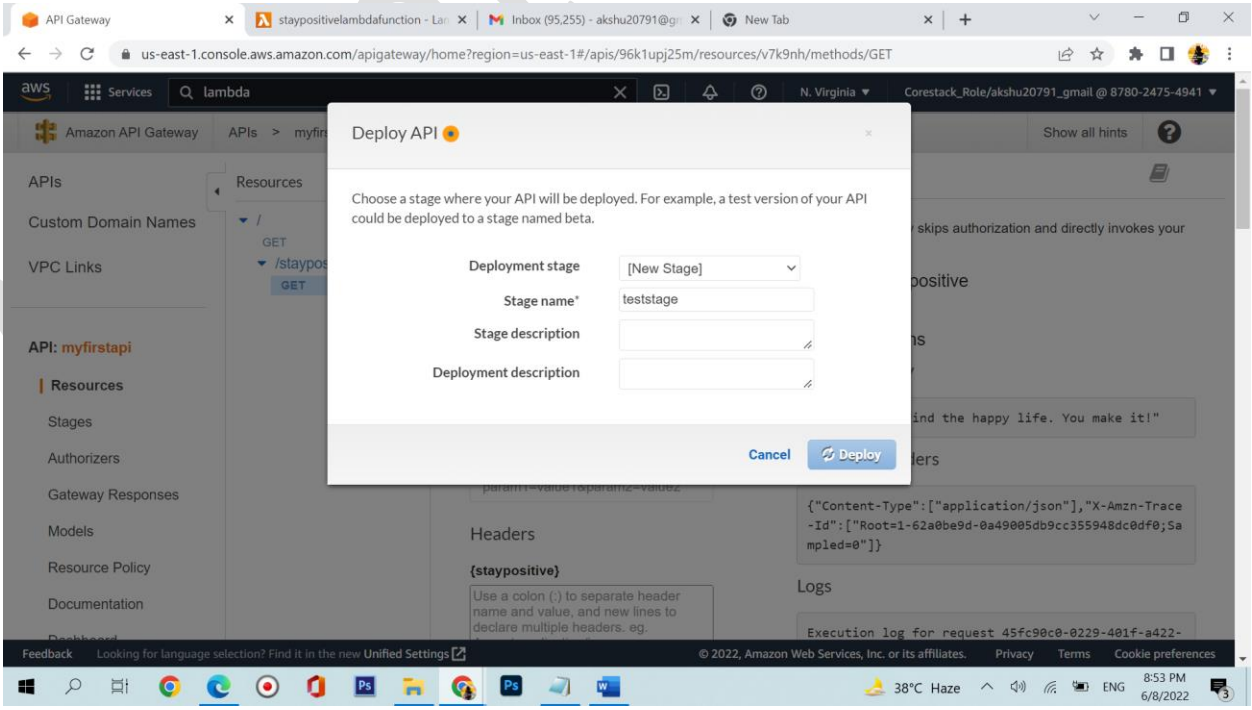


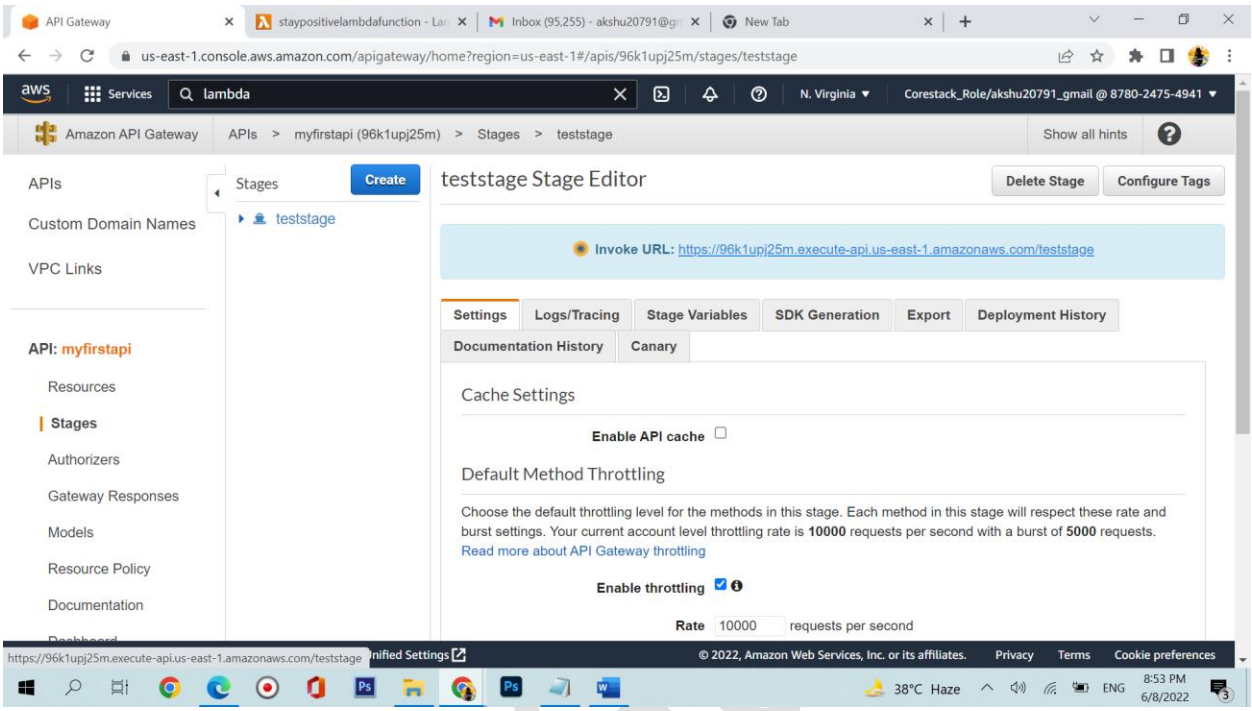
Now click on Actions -> Deploy API



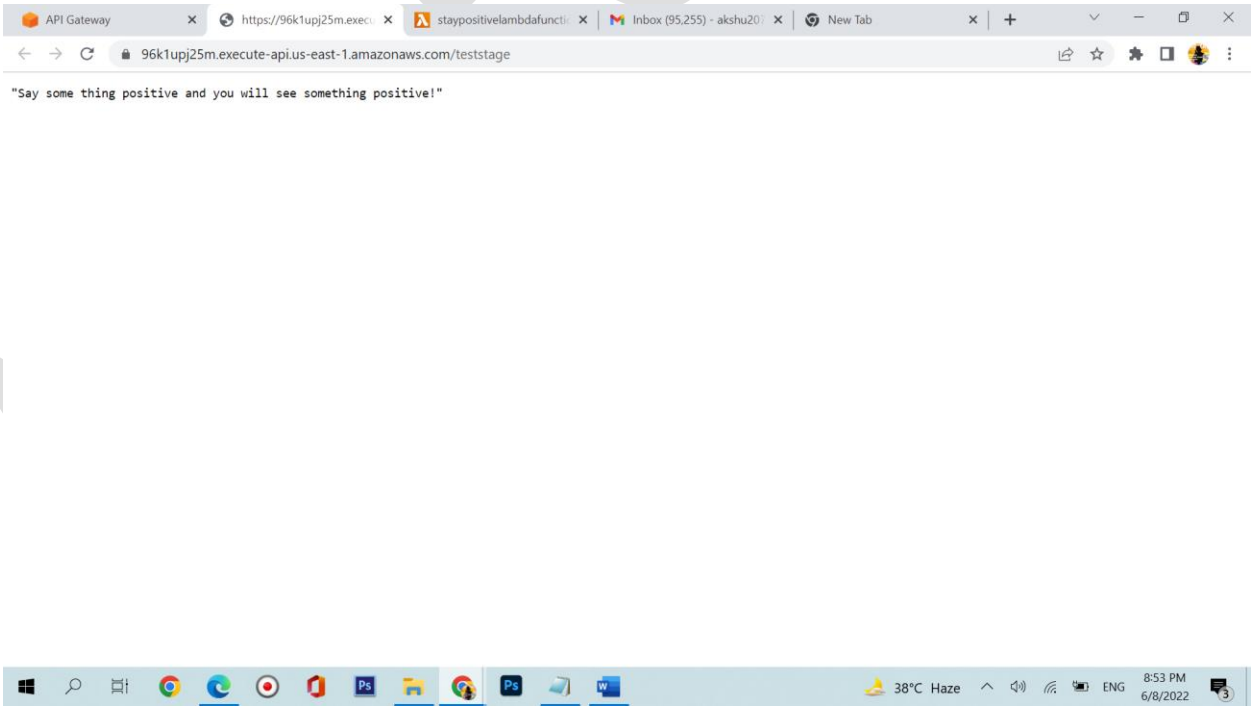
Deployment stage -> newstage

Stagename: teststage
Deploy



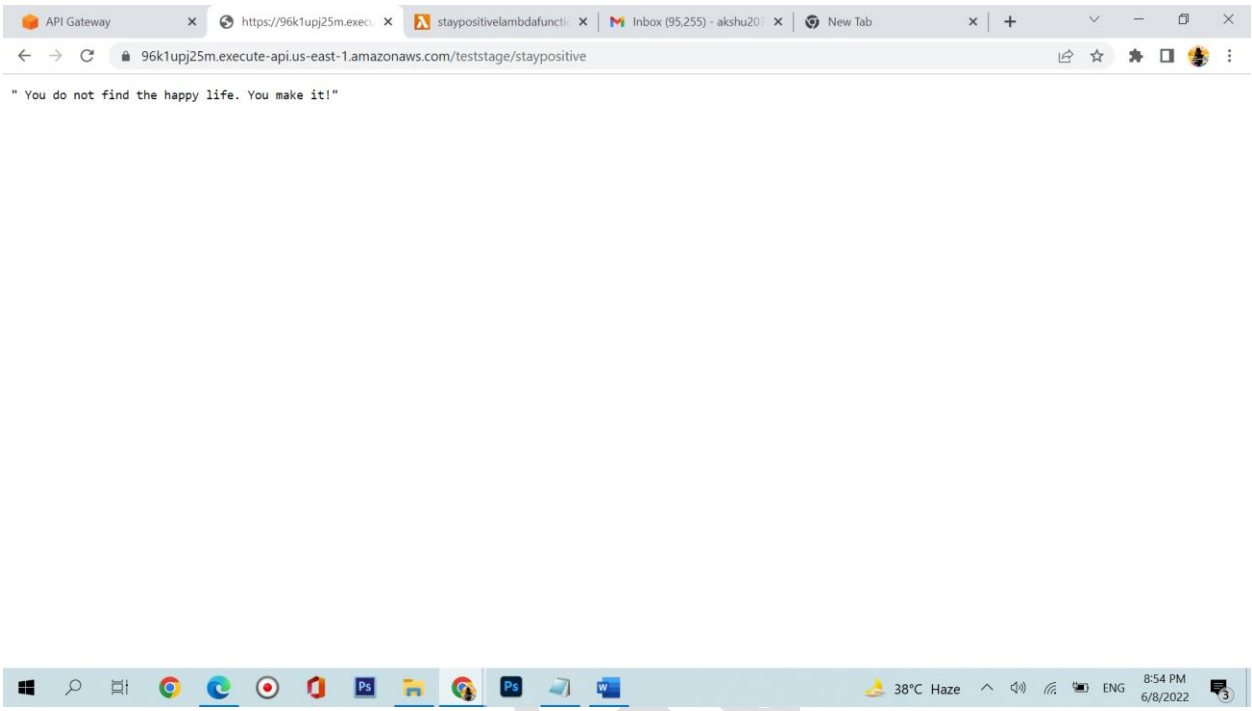


Click on invoke url



Add /staypositive in url

https://96k1upj25m.execute-api.us-east-1.amazonaws.com/teststage/staypositive



####################THANKYOU ##########################