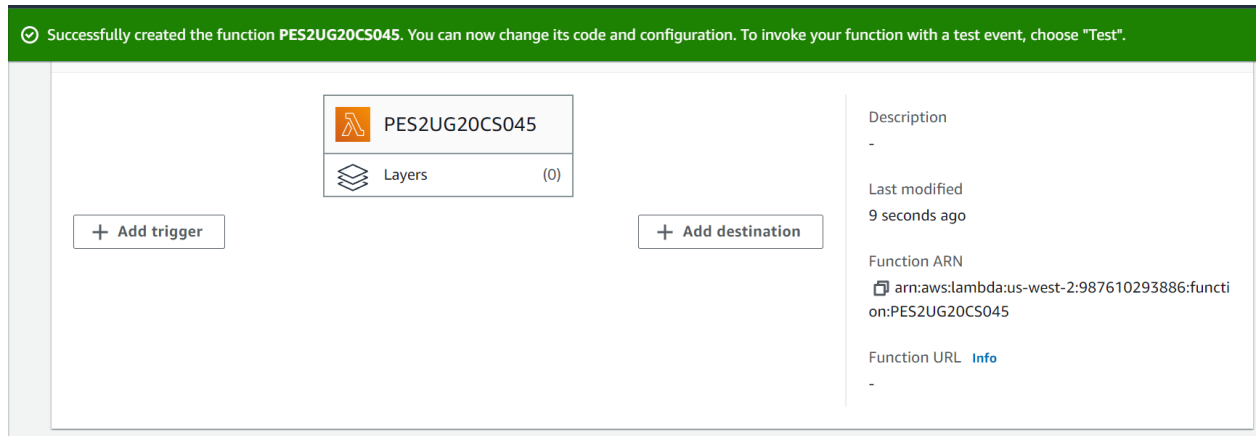# Cloud Computing: UE20CS352
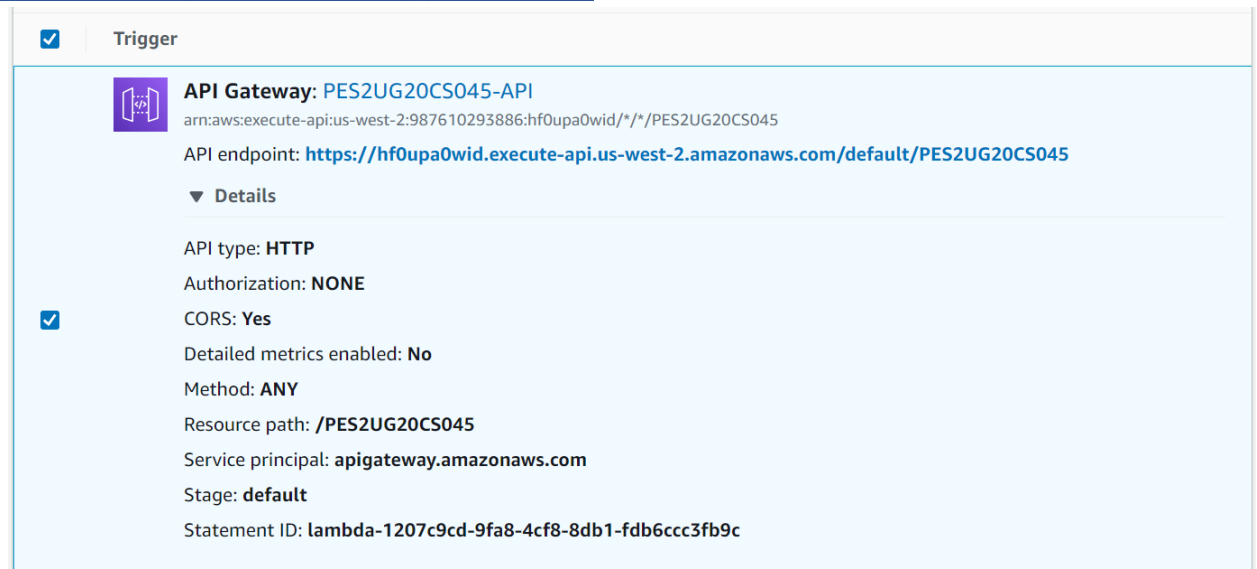
Assignment 1 - Introduction to AWS Lambda with API Gateway
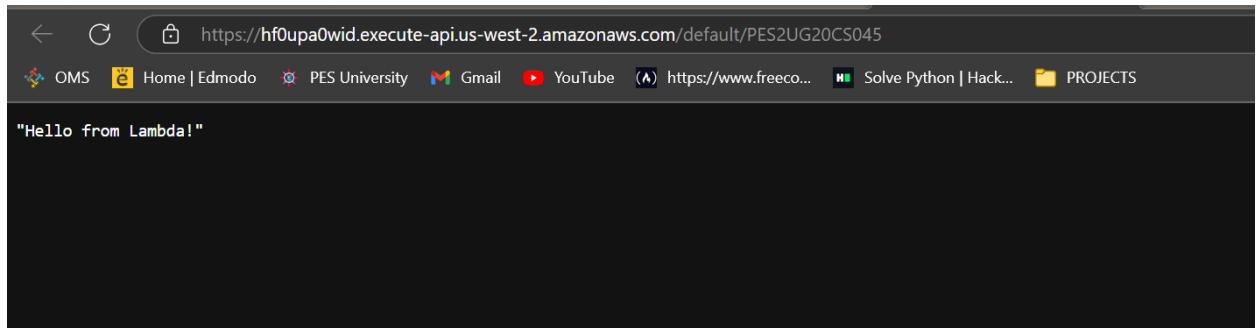
-ANANYA NARAYAN BHAT,
-SECTION A
- PES2UG20CS045

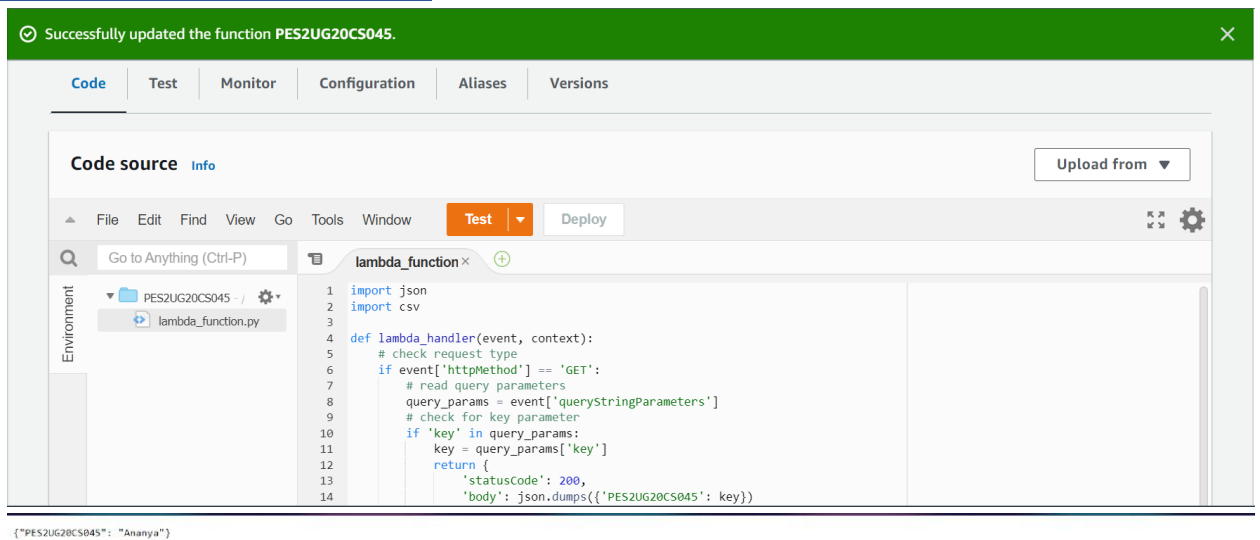## 1a: Lambda Function Created

⊘ Successfully created the function **PES2UG20CS045**. You can now change its code and configuration. To invoke your function with a test event, choose "Test".

PES2UG20CS045

Layers (0)

+ Add trigger

+ Add destination

Description
-

Last modified
9 seconds ago

Function ARN
arn:aws:lambda:us-west-2:987610293886:function:PES2UG20CS045

Function URL Info
-

1b: API Gateway created, trigger added

☑ Trigger

API Gateway: PES2UG20CS045-API
arn:aws:execute-api:us-west-2:987610293886:hf0upa0wid/*/*/PES2UG20CS045
API endpoint: **https://hf0upa0wid.execute-api.us-west-2.amazonaws.com/default/PES2UG20CS045**

▼ Details

☑

API type: **HTTP**
Authorization: **NONE**
CORS: **Yes**
Detailed metrics enabled: **No**
Method: **ANY**
Resource path: **/PES2UG20CS045**
Service principal: **apigateway.amazonaws.com**
Stage: **default**
Statement ID: **lambda-1207c9cd-9fa8-4cf8-8db1-fdb6ccc3fb9c**

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"Hello from Lambda!"

1c: Modified Lambda function

Successfully updated the function **PES2UG20CS045**.

Code   Test   Monitor   Configuration   Aliases   Versions

Code source Info

Upload from ▼

File Edit Find View Go Tools Window   Test ▼ Deploy

Go to Anything (Ctrl-P)   lambda_function × ⊕

PES2UG20CS045 ⚙
lambda_function.py

```python
1  import json
2  import csv
3
4  def lambda_handler(event, context):
5      # check request type
6      if event['httpMethod'] == 'GET':
7          # read query parameters
8          query_params = event['queryStringParameters']
9          # check for key parameter
10         if 'key' in query_params:
11             key = query_params['key']
12             return {
13                 'statusCode': 200,
14                 'body': json.dumps({'PES2UG20CS045': key})
```

{"PES2UG20CS045": "Ananya"}

1d: Successful Postman GET request

Home   Workspaces ▼   API Network ▼   Explore   Search Postman   Invite   Upgrade ▼

My Wor   0% completed   End lesson   Overview   GET Untitled Request   GET https://postman-echo.   +   •••   No Environment ▼

Collections   **Enter a request and send**   https://postman-echo.com/get   Save ▼

APIs   This is where you enter your request. Go ahead and enter a URL here. If you're not sure what to enter, use the below URL :)   GET ▼   https://postman-echo.com/get   Send ▼

Environments   USE THE BELOW URL   Params   Authorization   Headers (5)   Body   Pre-request Script   Tests   Settings   Cookies

https://postman-echo.com/get   Query Params

Mock Servers   KEY   VALUE   DESCRIPTION   •••   Bulk Edit

Monitors   Key   Value   Description

Flows   **Create a collection for your requests**   Response

History   A collection lets you group related requests and easily set common authorization, tests, scripts, and variables for all requests in it.

Create Collection

Click Send to get a response

1e: Successful Postman POST request

1f: Failed Postman PUT/DELETE/HEAD request