

CLOUD COMPUTING ASSIGNMENT – 1

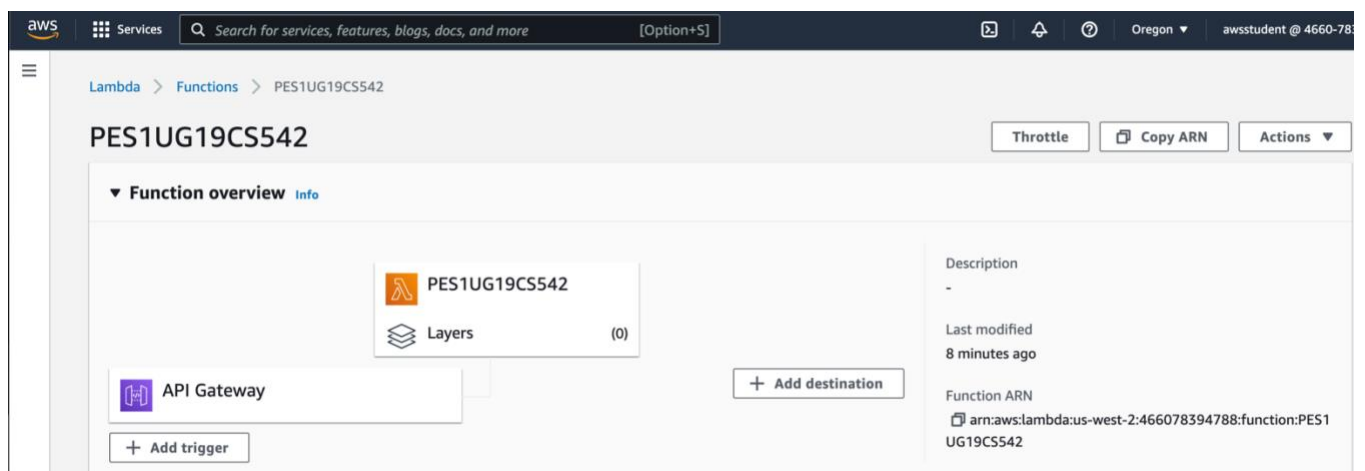
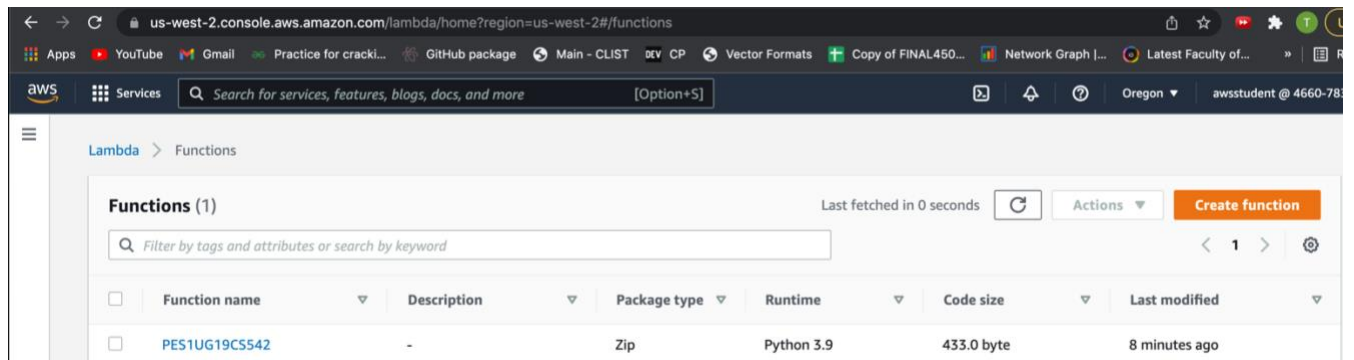
Introduction to REST APIs with AWS Lambda and API Gateway

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SECTION : I

Task 1 :- Creating Lambda function with SRN



Task 2 :- API gateway created and URL in configuration tab

The screenshot shows the AWS Lambda console for function **PES1UG19CS542**. The **Configuration** tab is selected, displaying the **Triggers (1)** section. A single trigger is listed: **API Gateway: PES1UG19CS542-API**, with the ARN `arn:aws:execute-api:us-west-2:466078394788:gpu780aym6/*/*/PES1UG19CS542` and the endpoint `https://gpu780aym6.execute-api.us-west-2.amazonaws.com/default/PES1UG19CS542`. The left sidebar shows the **General configuration** menu with options like Triggers, Permissions, Destinations, Environment variables, and Tags.

Task 3 :- Lambda function code

The screenshot shows the AWS Lambda console for function **PES1UG19CS542** with the **Code source** tab selected. A green banner at the top indicates "Successfully updated the function PES1UG19CS542." The code editor displays the following Python code:

```
1 import json
2
3 def lambda_handler(event, context):
4     # TODO implement
5
6     if(event['requestContext']['http']['method'] == 'GET'):
7         srn = event['requestContext']['http']['path'].split("/")[2]
8         key = event["queryStringParameters"]["key"]
9         str = srn + ' : ' + key
10        return{
11            'statusCode': 200,
12            'body': json.dumps(str)
13        }
14    else:
15        return{
16            'statusCode': 200,
17            'body': json.dumps('Only GET is supported')
18        }
19
```

Task 4 :- Submitting on Dashboard

Assignment 1 Dashboard

SRN

PES1UG19CS542

Make sure you enter your correct SRN before submitting

API Endpoint

<https://gpu780aym6.execute-api.us-west-2.amazonaws.com/>

Submit your API Endpoint for evaluation

Submit



Congratulations! All test cases have passed!

You may end the lab on qwiklabs. Please keep a copy of the code with you for future reference.

