

PES UNIVERSITY

UE19CS352

Cloud Computing

Assignment - 01

Introduction to REST APIs with AWS Lambda  
and API Gateway

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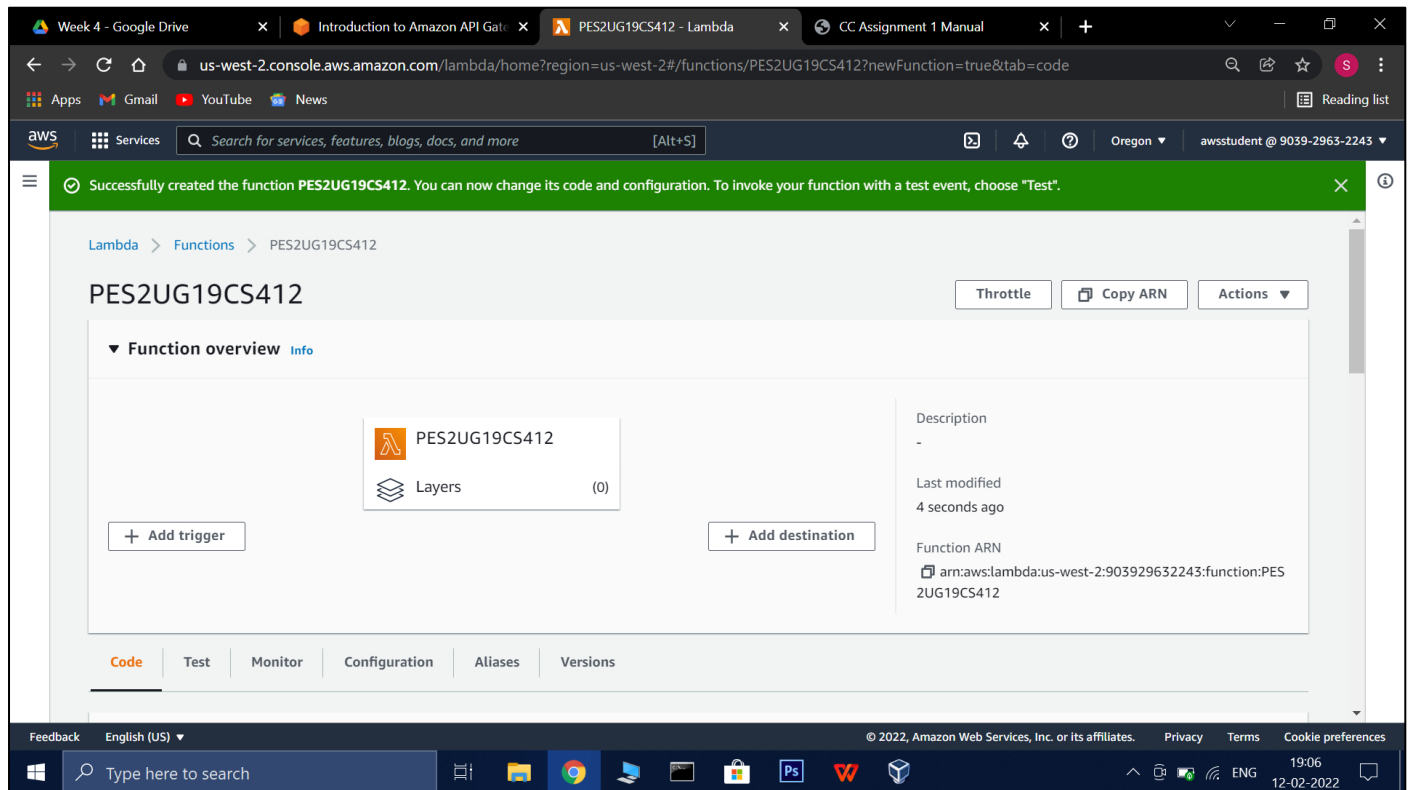
SRN : PES2UG19CS412

Section : G Section

# Deliverables:

The following screenshots are to be submitted:

a. PESX2019XXXXX\_1a.png: Showing the lambda created with your SRN



b. 1b.png: Showing the API Gateway created, and your unique URL in the configuration tab of the Lambda Function

The screenshot displays the AWS Lambda console for the function **PES2UG19CS412** in the **us-west-2** region. The **Configuration** tab is selected, showing the function's details and triggers.

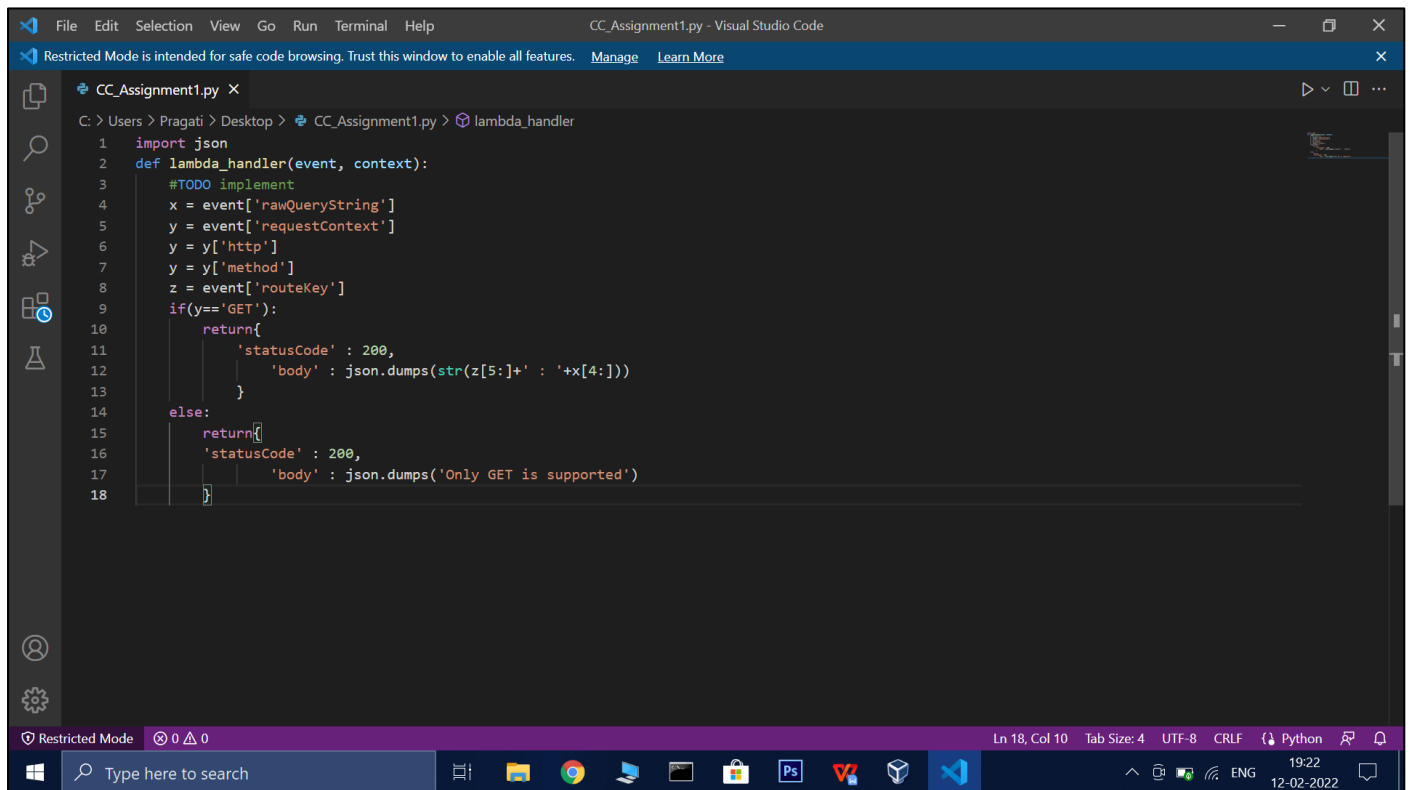
**Function overview:**

- Function name:** PES2UG19CS412
- Description:** -
- Last modified:** 18 minutes ago
- Function ARN:** `arn:aws:lambda:us-west-2:903929632243:function:PES2UG19CS412`

**Triggers (1):**

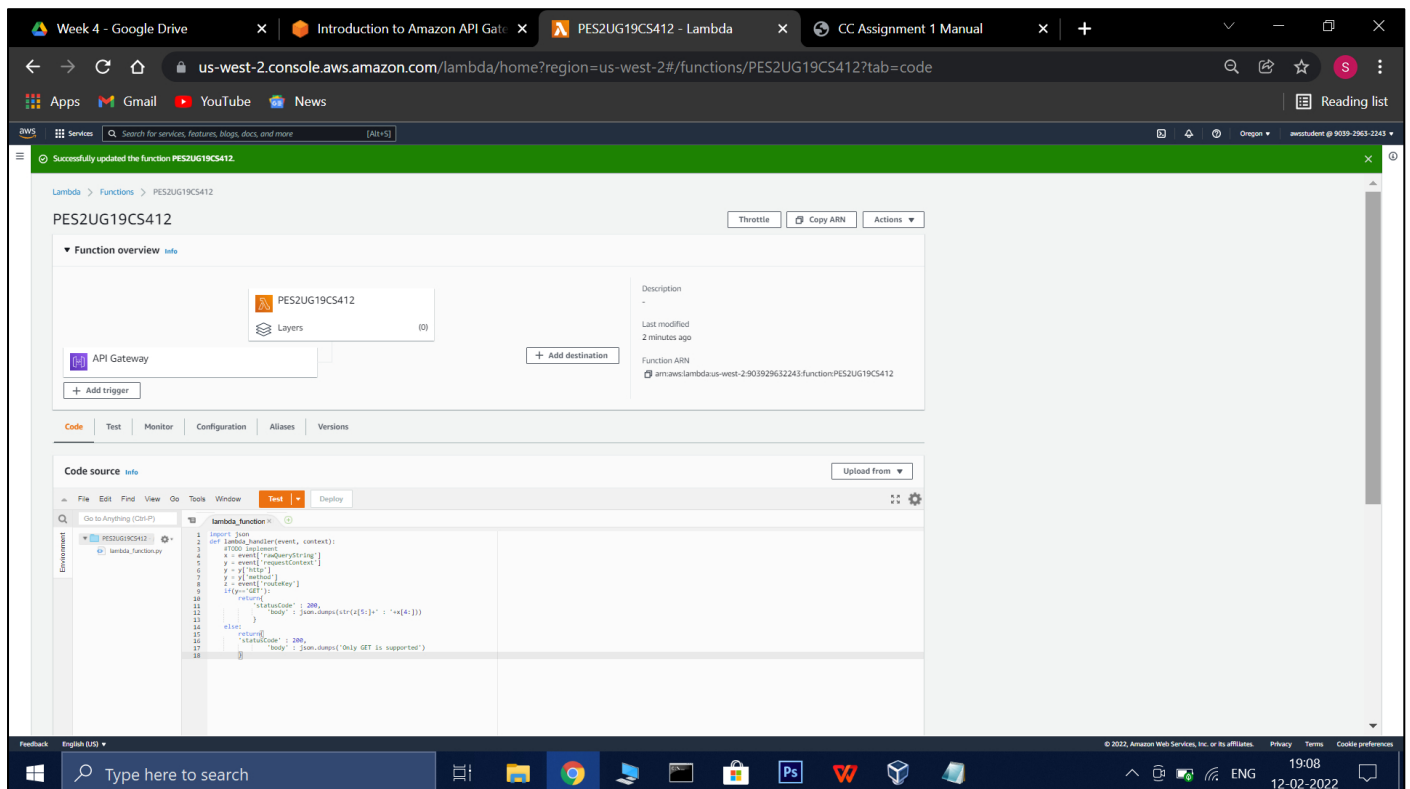
- Trigger:** API Gateway: PES2UG19CS412-API
- API endpoint:** `https://6w5j9rfa6.execute-api-us-west-2.amazonaws.com/default/PES2UG19CS412`
- Details:**
  - API name:** PES2UG19CS412-API
  - API type:** HTTP
  - Authorization:** NONE
  - Cross-origin resource sharing (CORS):** No
  - Enable detailed metrics:** No
  - Method:** ANY
  - Resource path:** /PES2UG19CS412
  - Security:** NONE
  - Stage:** default

c. 1c.png: A screenshot of the code that lets the Lambda function perform as per the requirements listed above.

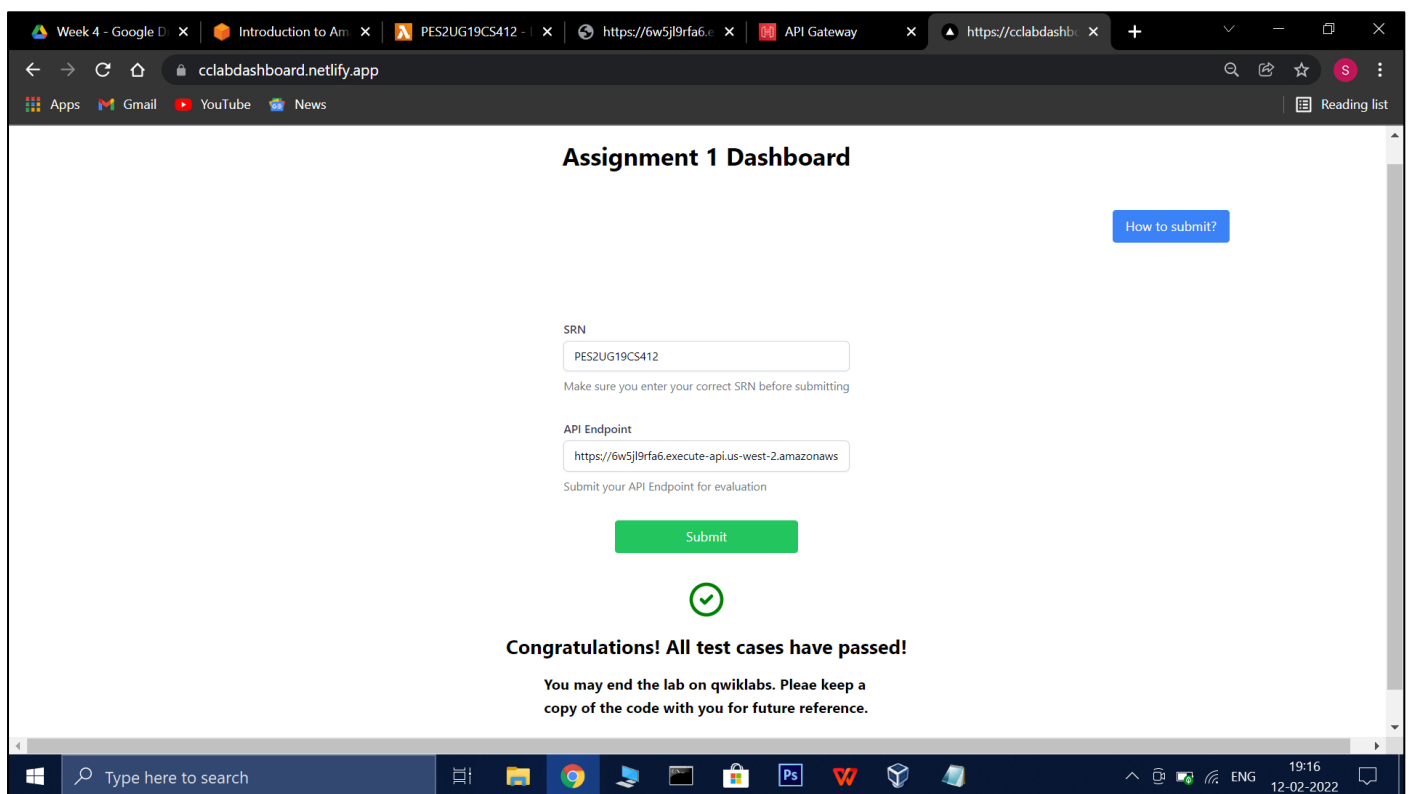
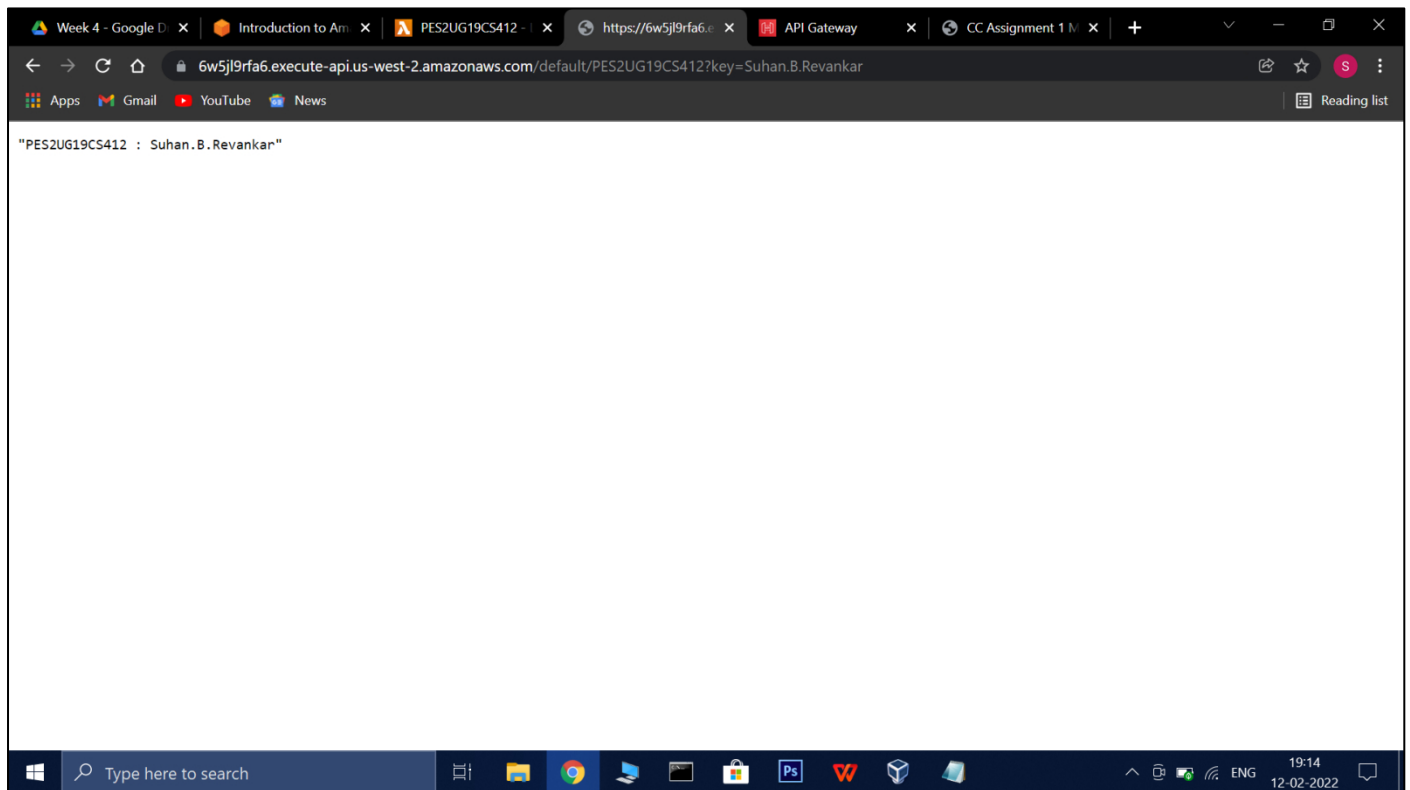


```
File Edit Selection View Go Run Terminal Help CC_Assignment1.py - Visual Studio Code
Restricted Mode is intended for safe code browsing. Trust this window to enable all features. Manage Learn More

CC_Assignment1.py x
C: > Users > Pragati > Desktop > CC_Assignment1.py > lambda_handler
1 import json
2 def lambda_handler(event, context):
3     #TODO implement
4     x = event['rawQueryString']
5     y = event['requestContext']
6     y = y['http']
7     y = y['method']
8     z = event['routeKey']
9     if(y=='GET'):
10         return{
11             'statusCode': 200,
12             'body': json.dumps(str(z[5:]+ ' : '+x[4:]))
13         }
14     else:
15         return{
16             'statusCode': 200,
17             'body': json.dumps('Only GET is supported')
18         }
```



d. 1d.png: A screenshot of the dashboard after submission showing all test cases have passed.



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