

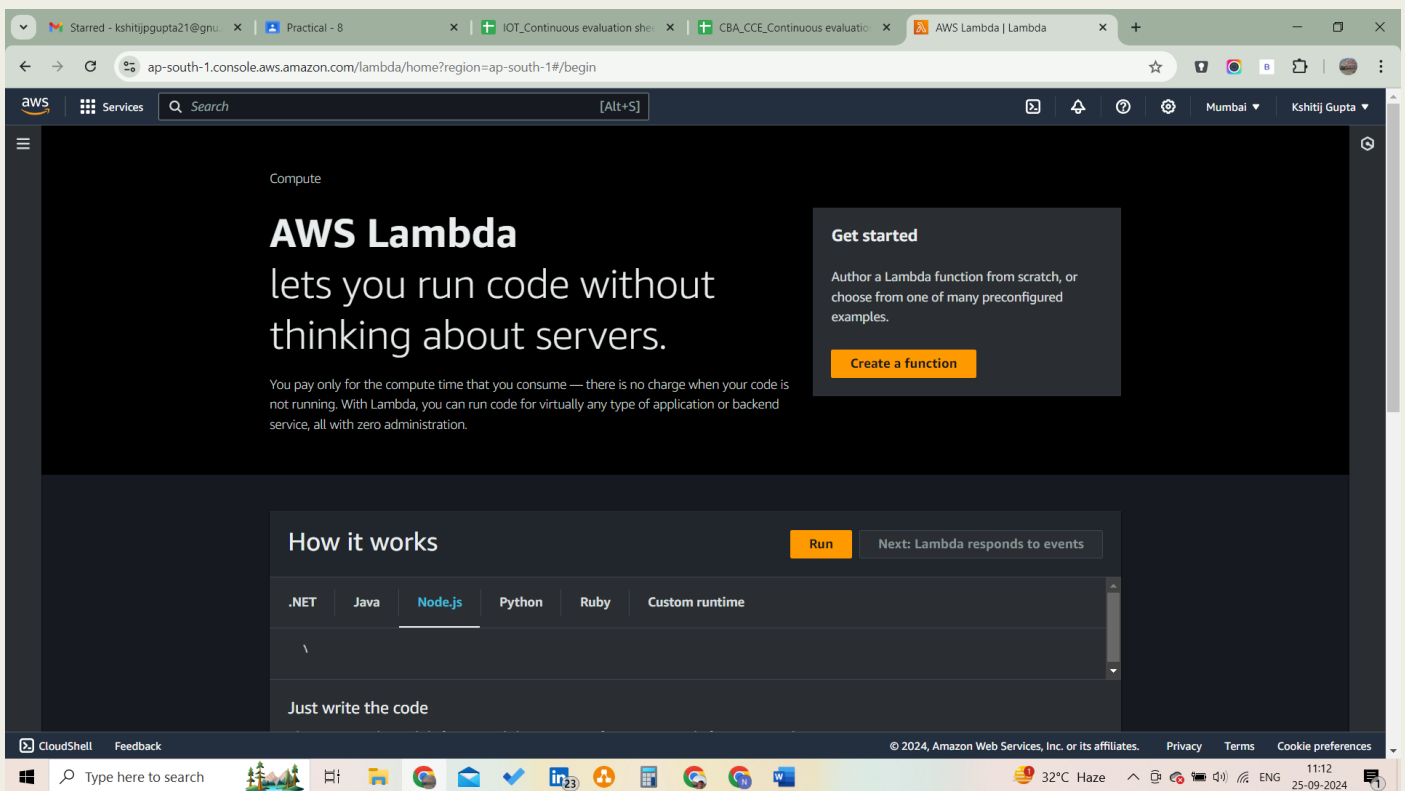
NAME: KSHITIJ GUPTA
Enrolment Number: 21162101007
Sub: CCE

Practical – 8[Batch-71]

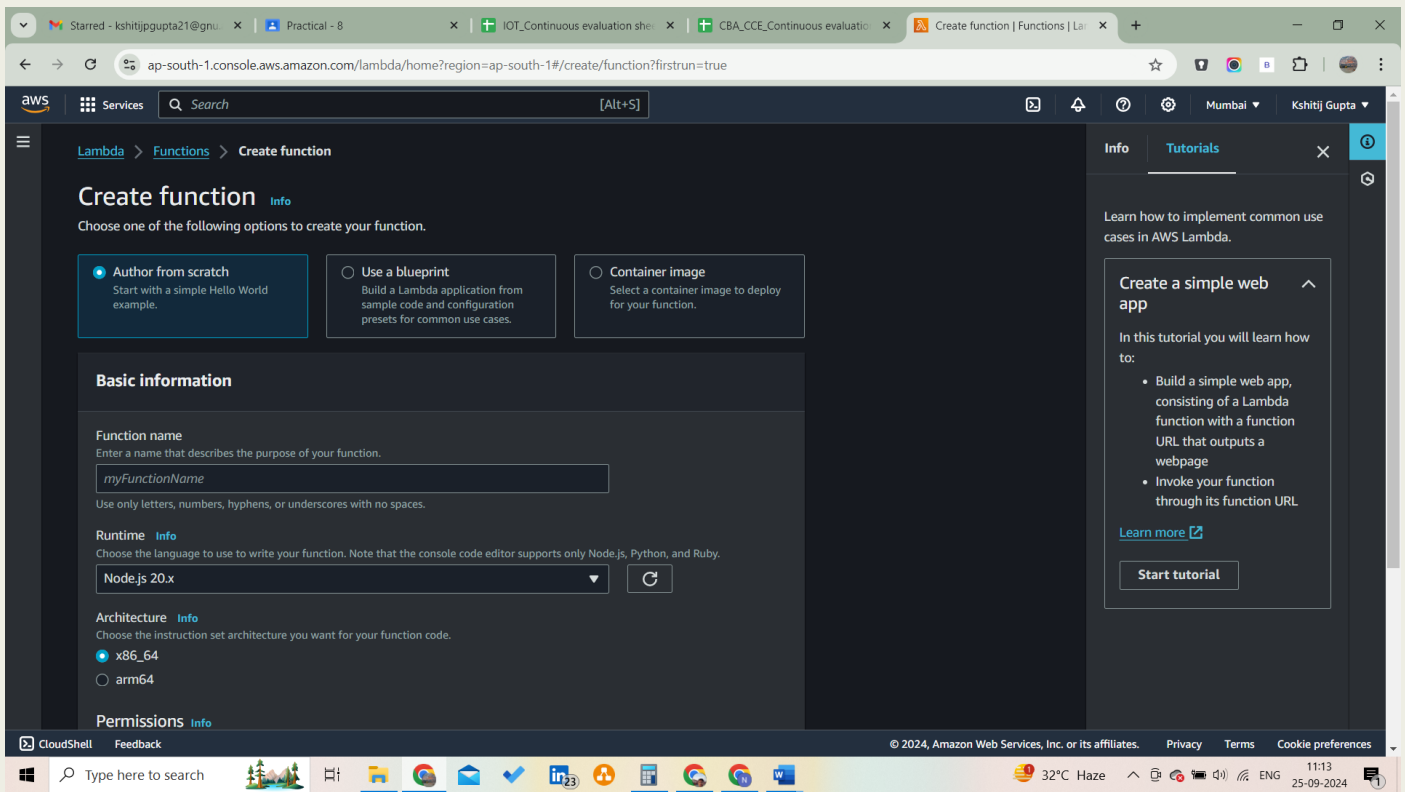
Demonstration of Serverless Lambda Service in AWS. Also create a function.

Steps:

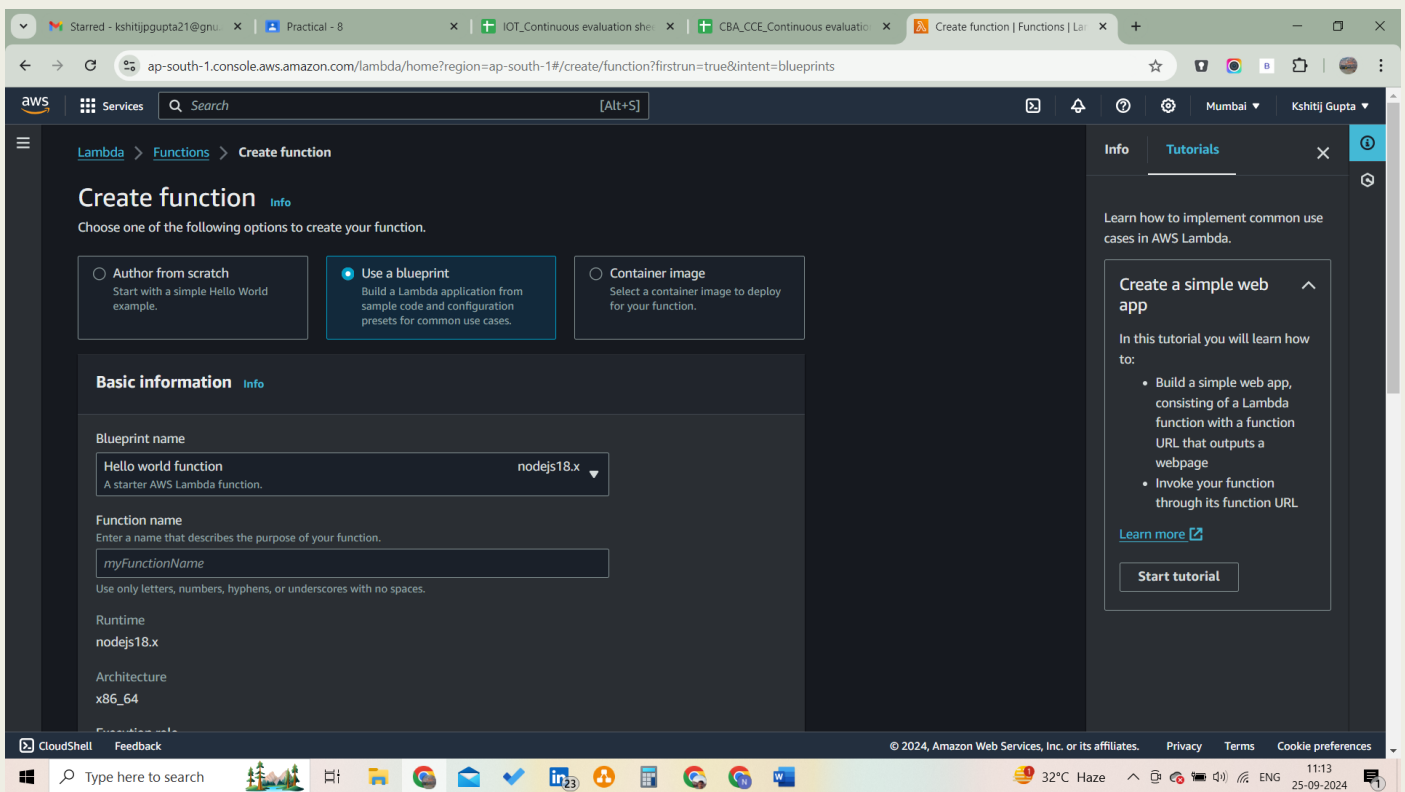
Sign in to console and search for lambda service



Click on create a function



Select use a blueprint



Select hello world python function

Basic information Info

Blueprint name

Hello world function

A starter AWS Lambda function.

nodejs18.x



Function name

Enter a name that describes the purpose of your function.

myFunctionName

Use only letters, numbers, hyphens, or underscores with no spaces.

Runtime

nodejs18.x

Architecture

x86_64

Provide function name and select the execution rule

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ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/create/function?blueprint=hello-world-python&intent=blueprints

Services Search [Alt+S]

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Basic information Info

Blueprint name

Hello world function python3.10
A starter AWS Lambda function.

Function name

Enter a name that describes the purpose of your function.

007PR8

Use only letters, numbers, hyphens, or underscores with no spaces.

Runtime

python3.10

Architecture

x86_64

Execution role

Choose a role that defines the permissions of your function. To create a custom role, go to the IAM console.

- ☒ Create a new role with basic Lambda permissions
- ☐ Use an existing role
- ☐ Create a new role from AWS policy templates

Role creation might take a few minutes. Please do not delete the role or edit the trust or permissions policies in this role.

Info Tutorials

Learn how to implement common use cases in AWS Lambda.

Create a simple web app

In this tutorial you will learn how to:

- Build a simple web app, consisting of a Lambda function with a function URL that outputs a webpage
- Invoke your function through its function URL

[Learn more](#)

[Start tutorial](#)

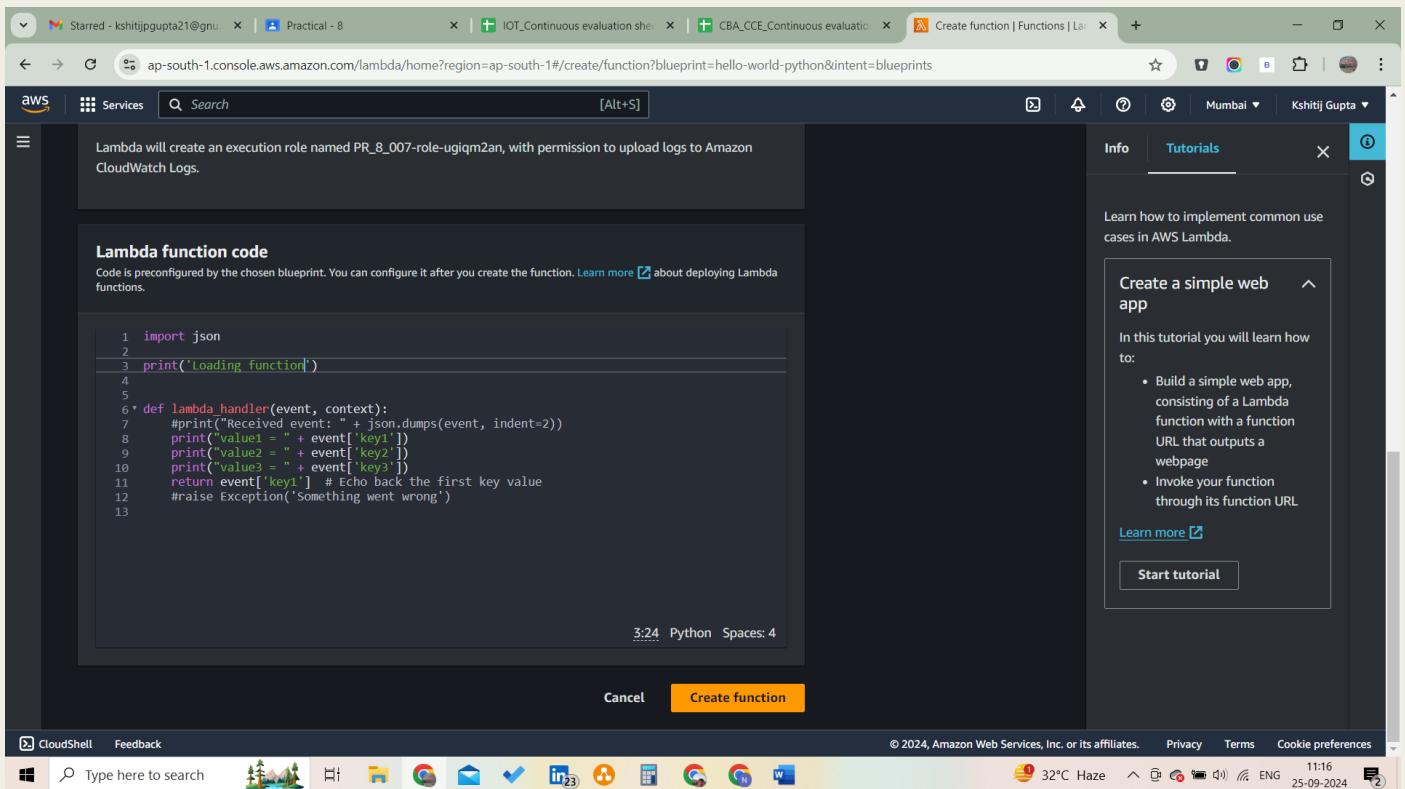
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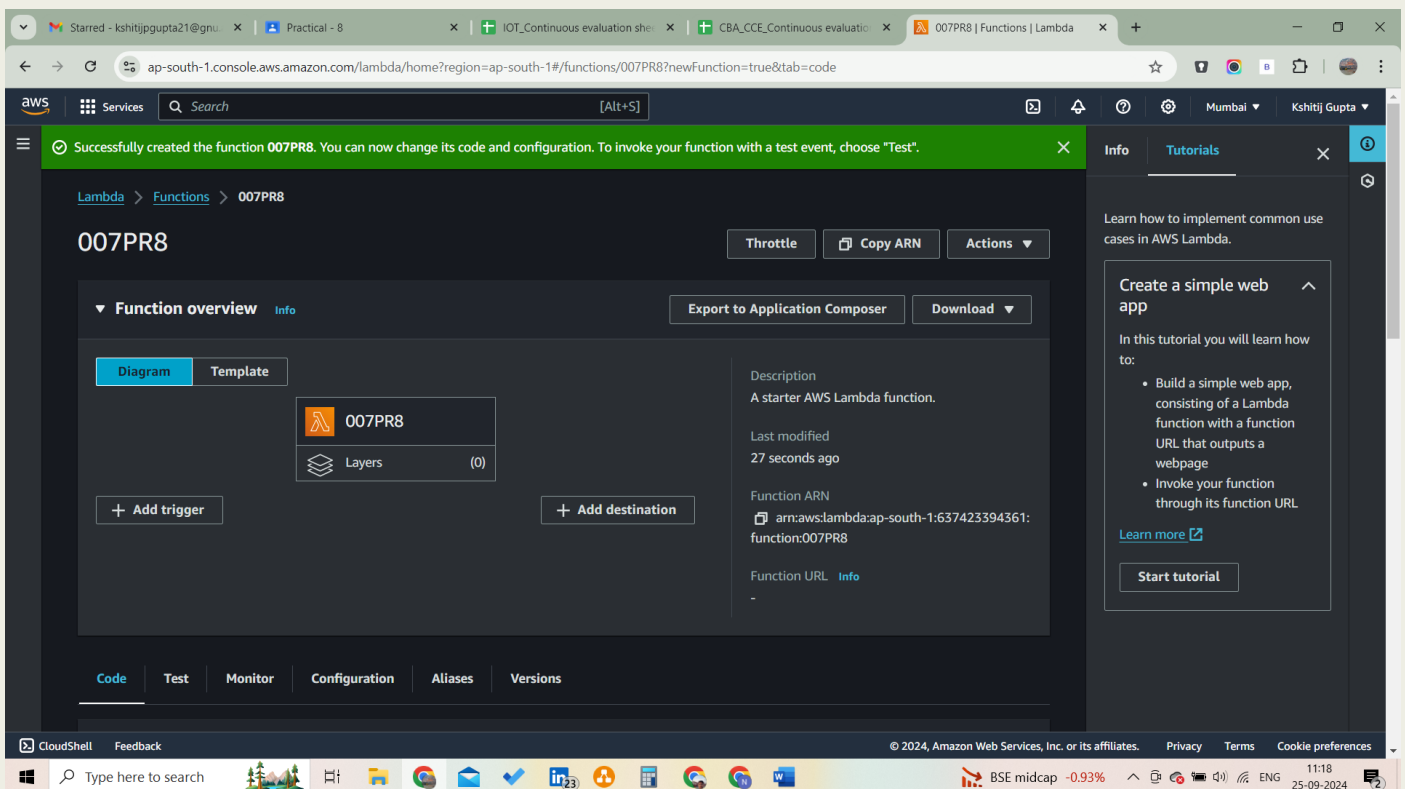
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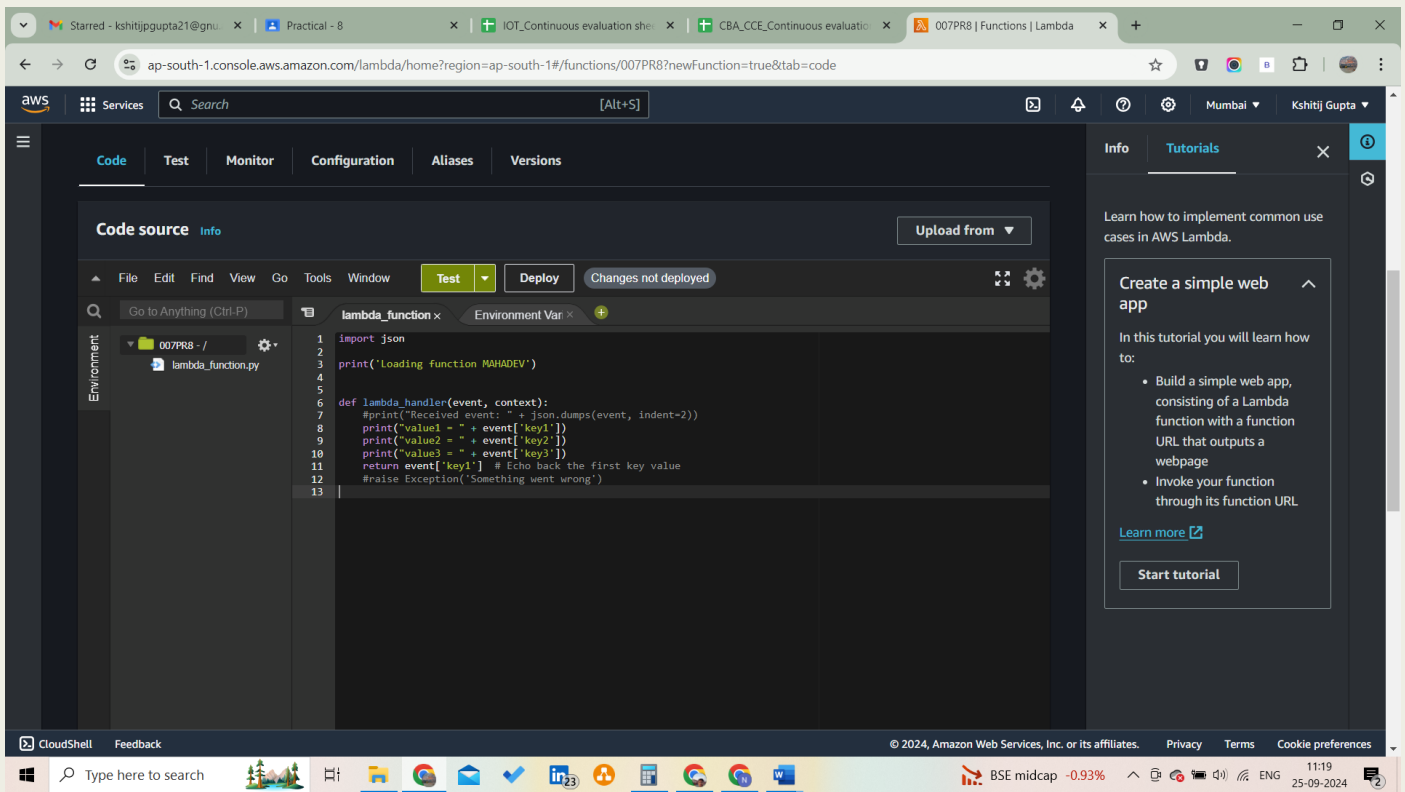
Scroll down and click on create function



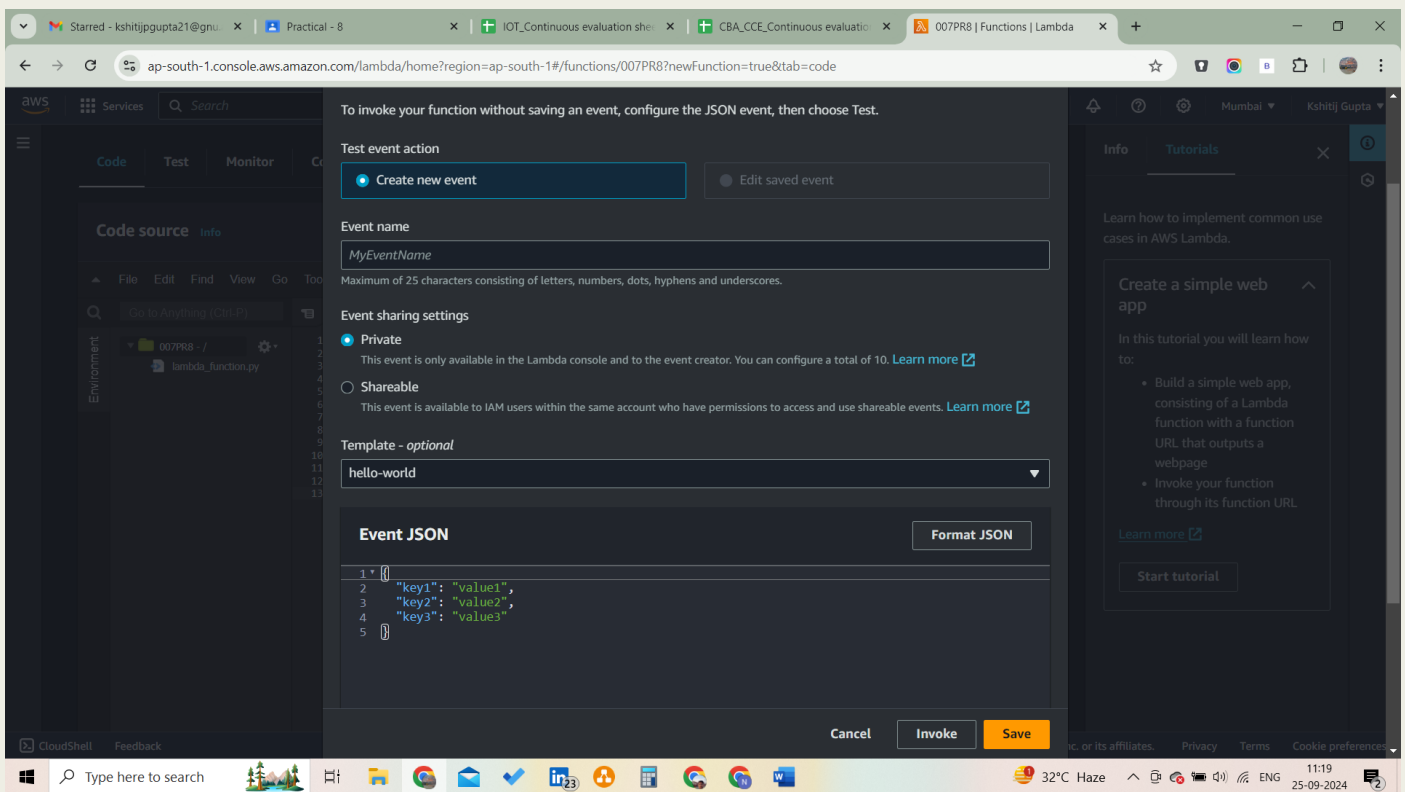
Here function is created successfully



Scroll down, go to code



Click on Test



Configure test event, provide event name and sharing setting

ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/007PR8?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

```
1 {
2   "key1": "value1",
3   "key2": "value2",
4   "key3": "value3"
5 }
```

Cancel Invoke Save

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ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/007PR8?newFunction=true&tab=code

The test event test was successfully saved.

Code source Info

Upload from

File Edit Find View Go Tools Window Test Deploy Changes not deployed

Go to Anything (Ctrl-P)

Environment

007PR8 - /

lambda_function.py

```
1 import json
2
3 print('Loading function MAHADEV')
4
5
6 def lambda_handler(event, context):
7     #print("Received event: " + json.dumps(event, indent=2))
8     print("value1 = " + event['key1'])
9     print("value2 = " + event['key2'])
10    print("value3 = " + event['key3'])
11    return event['key1'] # Echo back the first key value
12    #raise Exception('Something went wrong')
13
```

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click on test button and test the funcnction:

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The test event test was successfully saved.

Code Test Monitor Configuration Aliases Versions

Code source Info Upload from

File Edit Find View Go Tools Window Test Deploy Changes not deployed

Go to Anything (Ctrl-P)

Environment

007PR8 - /

lambda_function.py

Execution results

Test Event Name

test

Status: Succeeded Max memory used: 30 MB Time: 1.91 ms

Response

"value1"

Function Logs

Loading function
START RequestId: 85c797ba-4207-4b66-8c6c-9740b4e3eb97 Version: \$LATEST
value1 = value1
value2 = value2
value3 = value3
END RequestId: 85c797ba-4207-4b66-8c6c-9740b4e3eb97
REPORT RequestId: 85c797ba-4207-4b66-8c6c-9740b4e3eb97 Duration: 1.91 ms Billed Duration: 2 ms Memory Size: 128 MB Max Me

Request ID

85c797ba-4207-4b66-8c6c-9740b4e3eb97

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Now delete the created function:

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Lambda

Dashboard Applications Functions

Additional resources

- Code signing configurations
- Event source mappings
- Layers
- Replicas

Related AWS resources

- Step Functions state machines

Functions (1/1) Last fetched 12 minutes ago Actions Create function

Filter by tags and attributes or search by keyword

<input checked="" type="checkbox"/>	Function name	Description	Package type	Runtime	Last modified
<input checked="" type="checkbox"/>	007PR8	A starter AWS Lambda function.	Zip	Python 3.10	7 minutes ago

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Lambda > Functions

Functions (1/1) Last fetched 12 minutes ago Actions Create function

Filter by tags and attributes or search

Function name

007PR8

Delete 1 functions

⚠ Deleting a function permanently removes the function code. The related logs, roles, test event schemas, and triggers are retained in your account.

007PR8

To confirm deletion, type delete in the field.

delete

Cancel Delete

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