Don Bosco Institute of Technology, Mumbai 400070
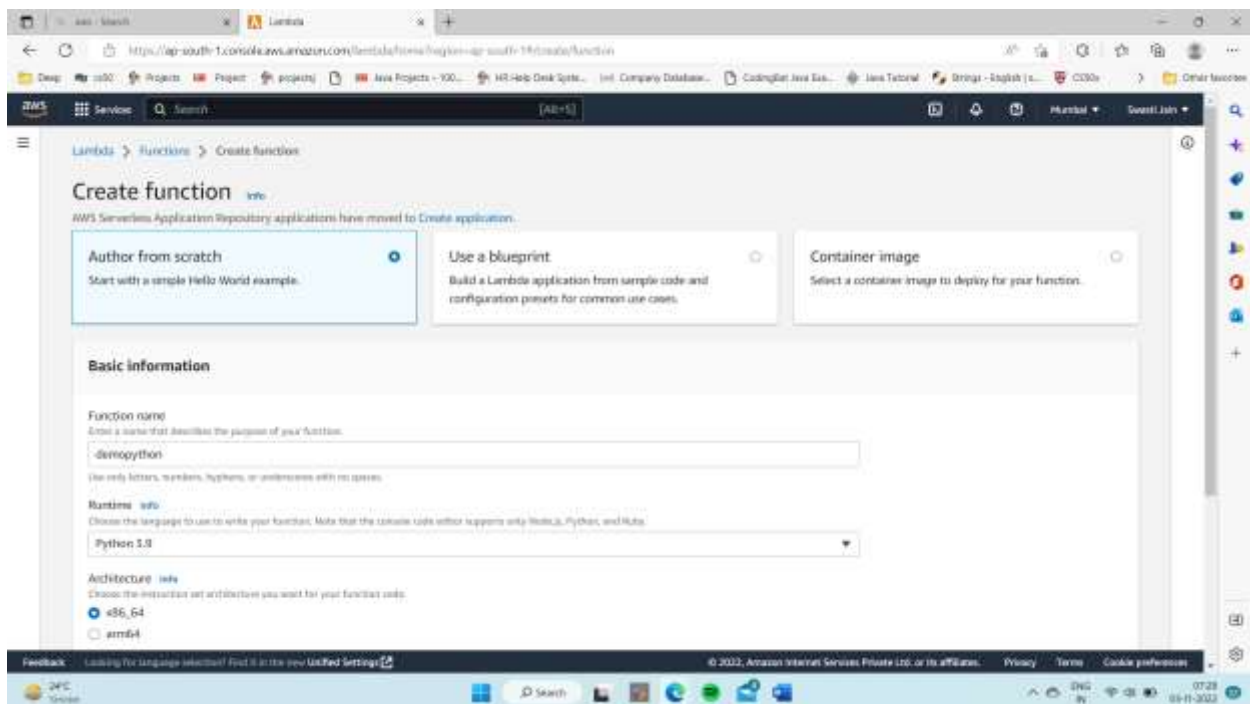## Department of Information Technology
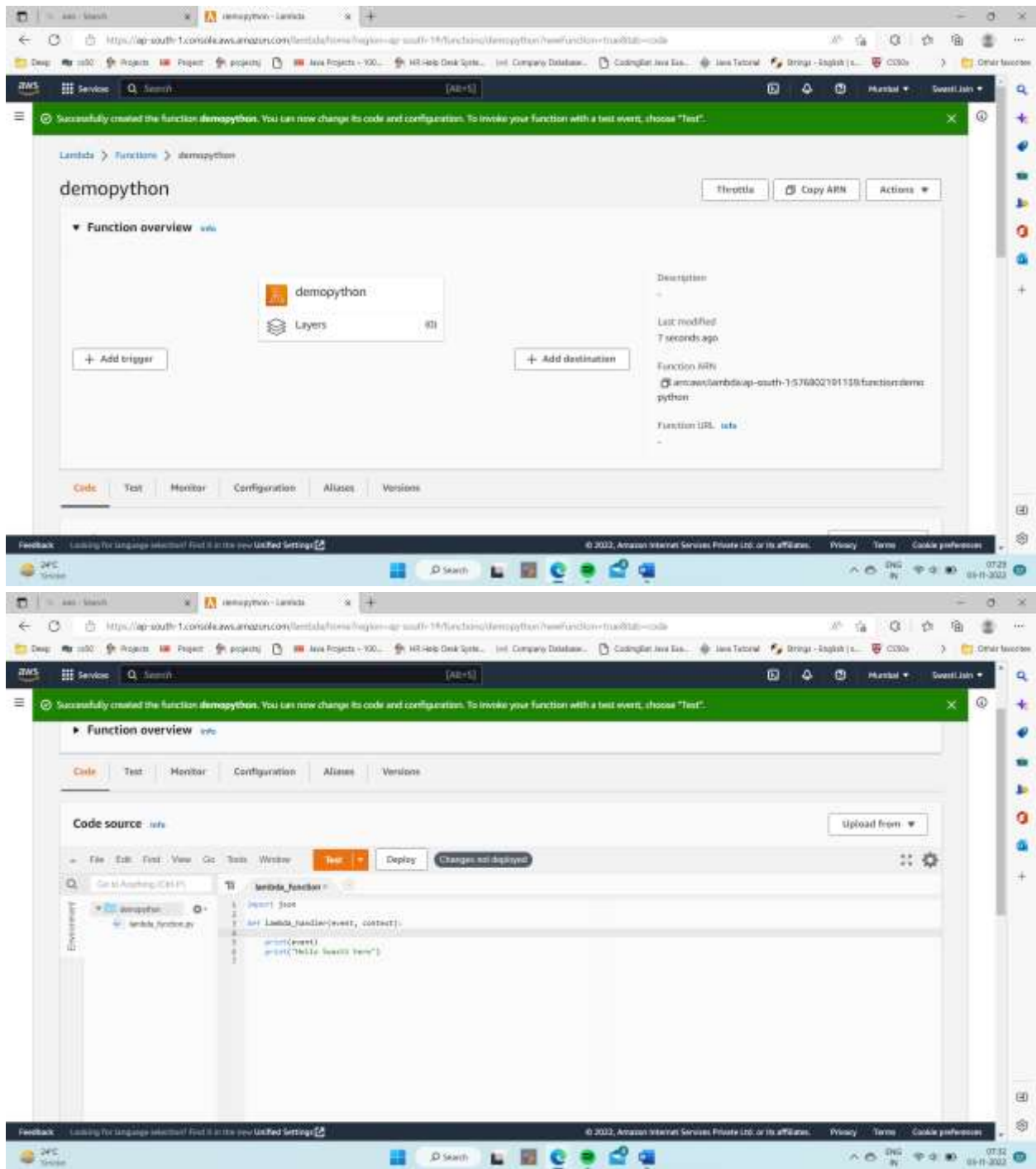
Experiment No. : 11

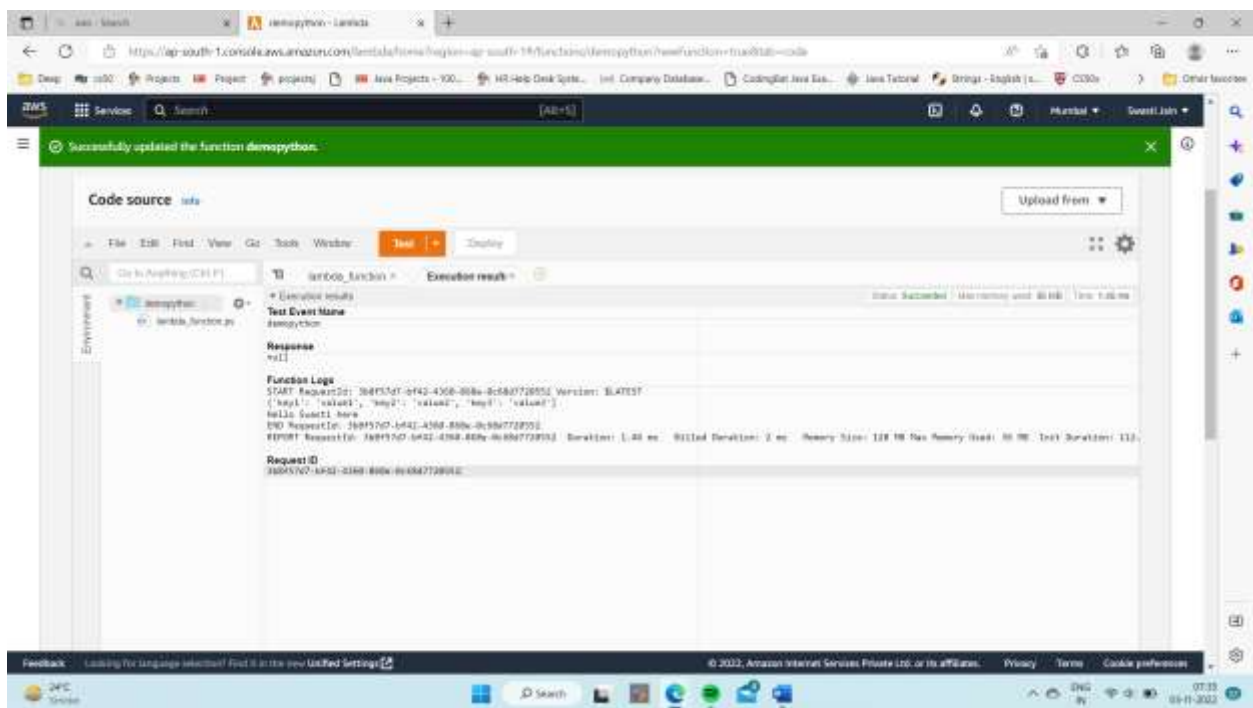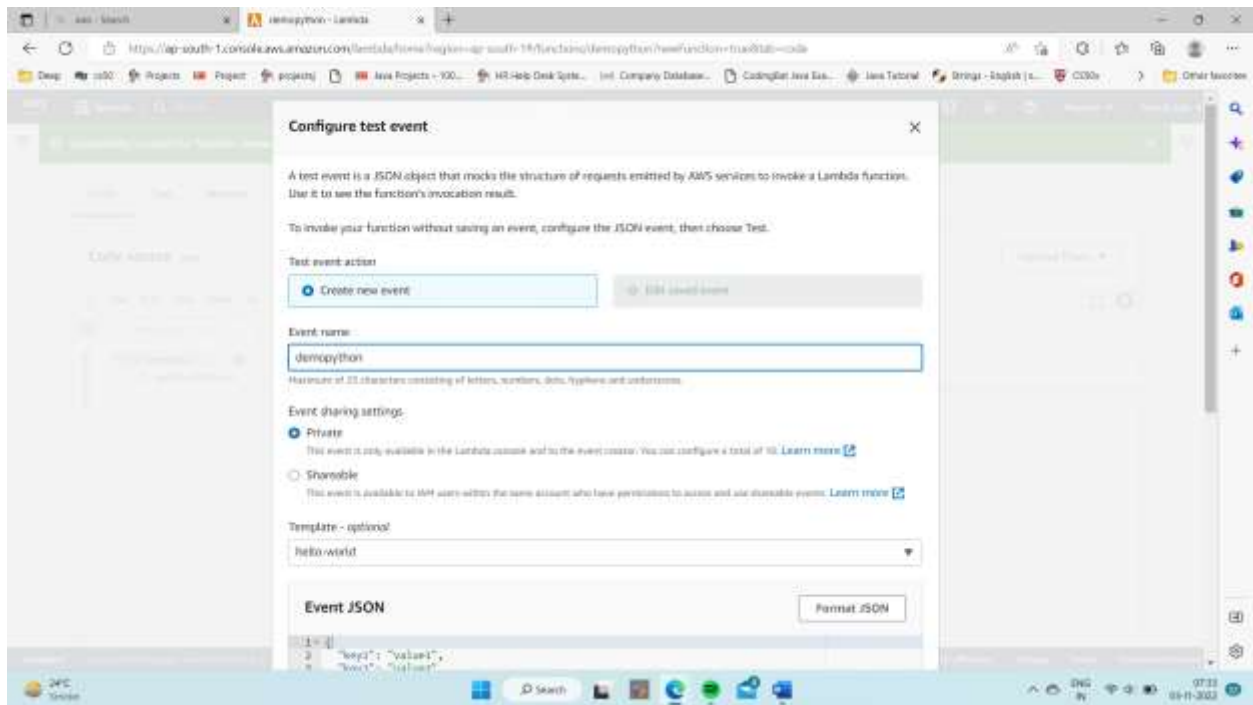**Date:** 27/10/22

Name: Swasti Jain
Batch: B
Roll No: 24

To understand AWS Lambda, its workflow, and various functions and create your first Lambda functions using Python / Java / Nodejs

Services — Q Search — [Alt+S] — Mumbai — Swati Jain

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

Lambda > Functions > demopython

demopython

Throttle | Copy ARN | Actions ▼

▼ **Function overview** info

demopython

Layers (0)

+ Add trigger   + Add destination

Description
-

Last modified
7 seconds ago

Function ARN
arn:aws:lambda:ap-south-1:576802101110:function:demopython

Function URL info
-

Code | Test | Monitor | Configuration | Aliases | Versions

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

► **Function overview** info

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)

▼ demopython
  lambda_function.py

lambda_function

```
import json

def lambda_handler(event, context):
    print(event)
    print("Hello Swati here")
```

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https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/demopython/new?function=true&tab=code

Configure test event

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

demopython

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"
```

---

aws Services   Q Search   [Alt+S]   Mumbai ▼   Swati Jain ▼

✓ Successfully updated the function demopython.

Code source Info

Upload from ▼

File Edit Find View Go Tools Window   **Test** +   Deploy

lambda_function ×   Execution result ×

demopython
lambda_function.py

▼ Execution results   Status: Succeeded | Max memory used: 30 MB | Time: 1.46 ms

Test Event Name
demopython

Response
null

Function Logs
START RequestId: 3b8f57d7-bf42-4360-808a-8c68d728552 Version: $LATEST
{'key1': 'value1', 'key2': 'value2', 'key3': 'value3'}
hello Swati here
END RequestId: 3b8f57d7-bf42-4360-808a-8c68d728552
REPORT RequestId: 3b8f57d7-bf42-4360-808a-8c68d728552 Duration: 1.46 ms Billed Duration: 2 ms Memory Size: 128 MB Max Memory Used: 30 MB Init Duration: 112.

Request ID
3b8f57d7-bf42-4360-808a-8c68d728552

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⊘ Successfully updated the function **demopython**.

Code | Test | Monitor | Configuration | Aliases | Versions

Metrics | Logs | Traces

View logs in CloudWatch 🗗   View X-Ray traces in ServiceLens 🗗   View Lambda Insights 🗗

CloudWatch metrics info

Filter by   Function ▾

Lambda sends runtime metrics for your functions to Amazon CloudWatch. The metrics shown are an aggregate view of all function runtime activity. To view metrics for the unqualified or $LATEST resource, choose **Filter by**. To view metrics for a specific function version or alias, choose **Aliases** or **Versions**, select the alias or version, and then choose **Monitor**.

1h | 3h | 12h | 1d | 3d | 1w | Custom 🗓   C   ▾   Add to dashboard

Invocations ⋮

Count

Duration ⋮

Milliseconds

- Duration Minimum
- Duration Average
- Duration Maximum

Error count and success rate (%) ⋮

Count   No unit

- Errors
  Success rate (%)

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⊘ Successfully updated the function **demopython**.

Code | Test | Monitor | Configuration | Aliases | Versions

Code source info

Upload from ▾

File | Edit | Find | View | Go | Tools | Window   **Test** ▾   Deploy

lambda_function ×

demopython
   lambda_function.py

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