



Semester: V
Academic Year: 2025-26
Class / Branch: TE IT B
Subject: Advanced Devops Lab (ADL)
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EXPERIMENT NO.11

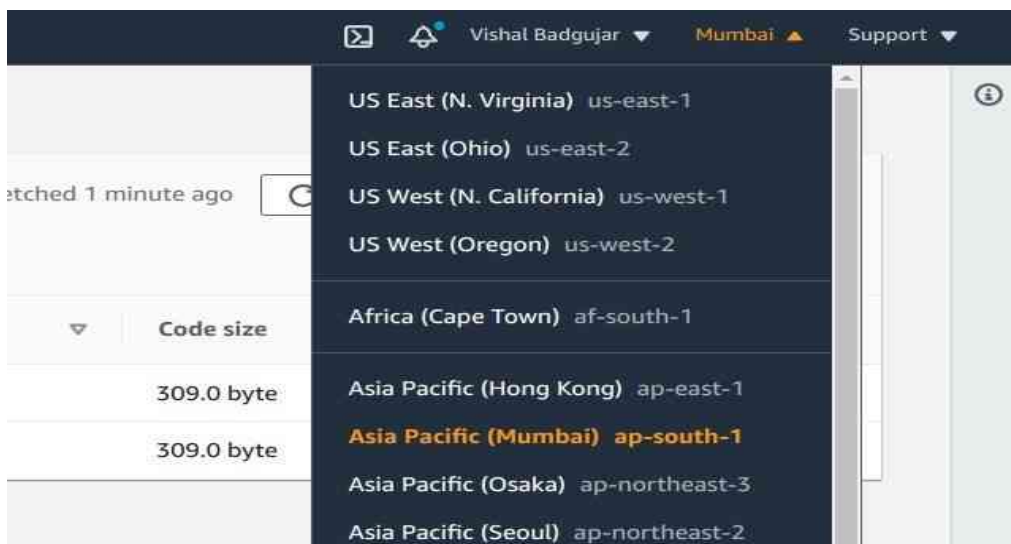
Aim: To understand AWS Lambda, its workflow, various functions and create your first Lambda functions using Python / Java / Nodejs.

Steps: First Lambda functions using Python

1. Open AWS Console and search for Lambda Service and open home screen of Lambda.



2. Choose region in which you need to create Lambda function as it is region specific.



3. Create a Lambda Function in Python Language, select the latest version of Python and choose role with basic Lambda Permission to allow CloudWatch for monitoring.

Create function [Info](#)

Choose one of the following options to create your function.

- ☒ **Author from scratch**
Start with a simple Hello World example.
- ☐ **Use a blueprint**
Build a Lambda application from sample code and configuration presets for common use cases.
- ☐ **Container image**
Select a container image to deploy for your function.

Basic information

Function name [Info](#)
Enter a name that describes the purpose of your function.

Function name must be 1 to 64 characters, must be unique to the Region, and can't include spaces. Valid characters are a-z, A-Z, 0-9, hyphens (-), and underscores (_).

Runtime [Info](#)
Choose the language to use to write your function. Note that the console code editor supports only Node.js, Python, and Ruby.

Architecture [Info](#)
Choose the instruction set architecture you want for your function code.
☐ arm64
☒ x86_64

Permissions [Info](#)
By default, Lambda will create an execution role with permissions to upload logs to Amazon CloudWatch Logs. You can customize this default role later when adding triggers.

[Change default execution role](#)

Info **Tutorials**

Learn how to implement common use cases in AWS Lambda.

Create a simple web app [^](#)

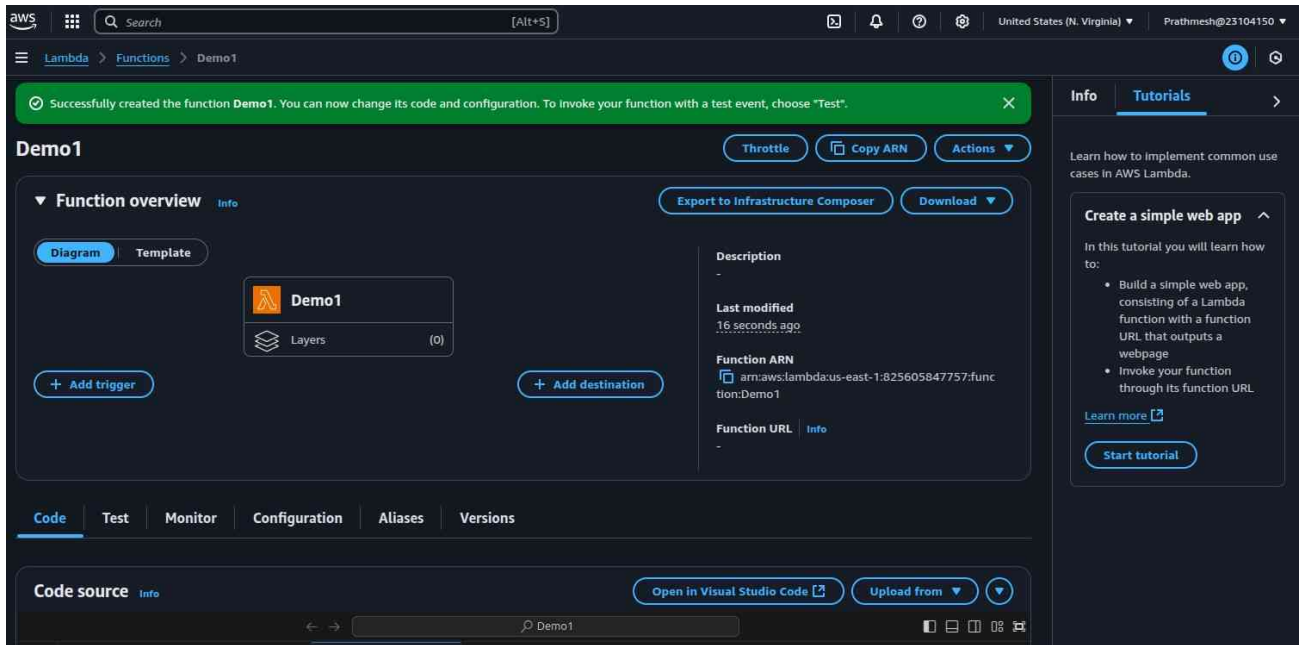
In this tutorial you will learn how to:

- 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

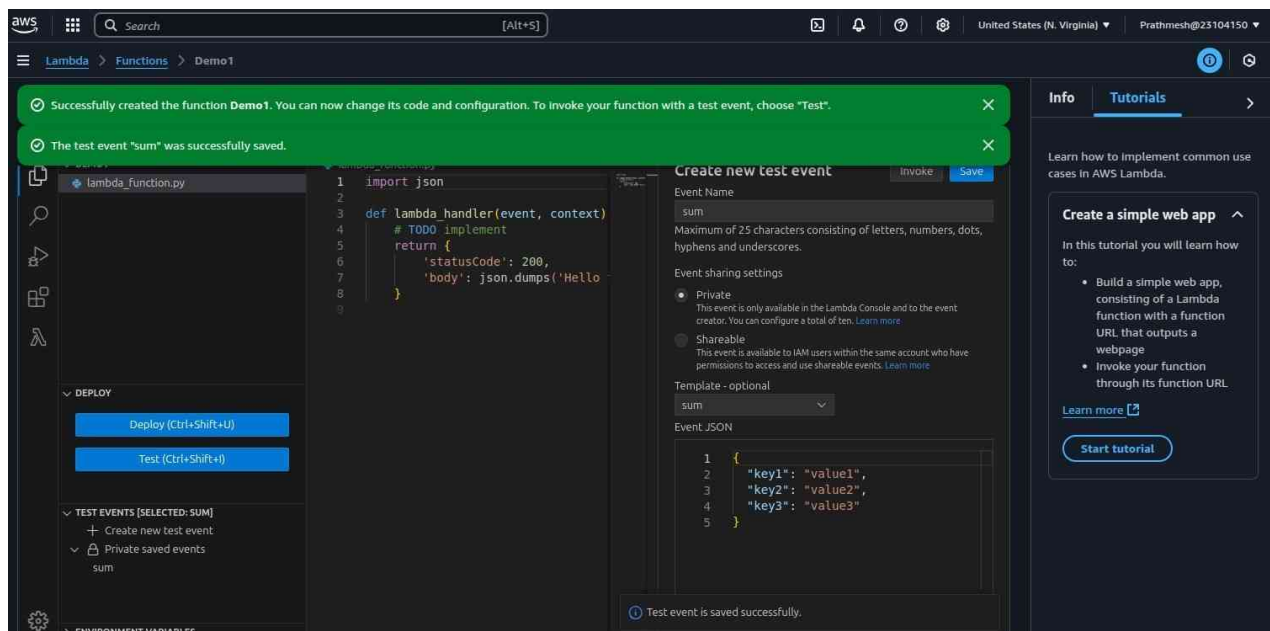
[Learn more](#)

[Start tutorial](#)

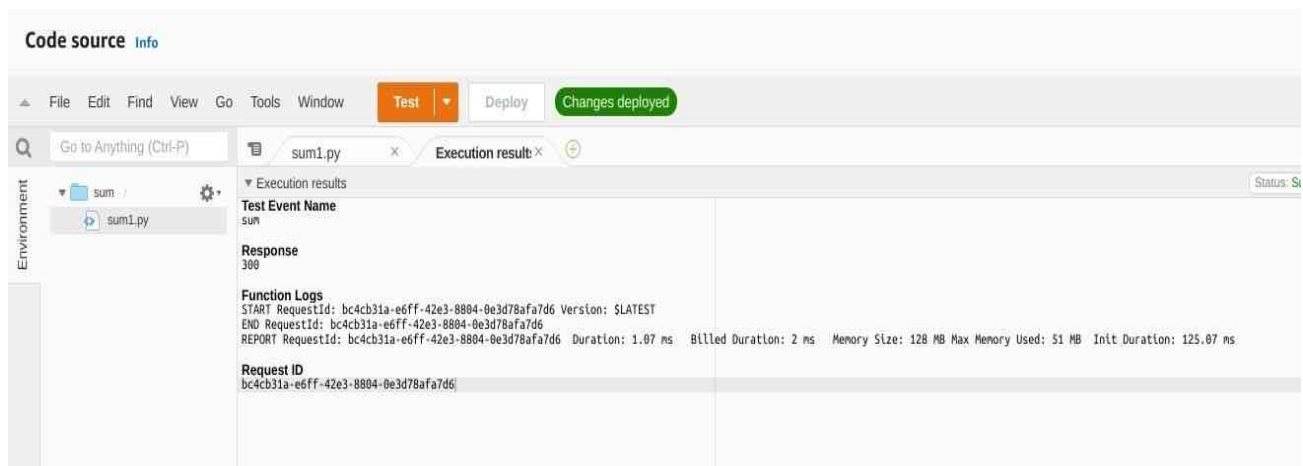
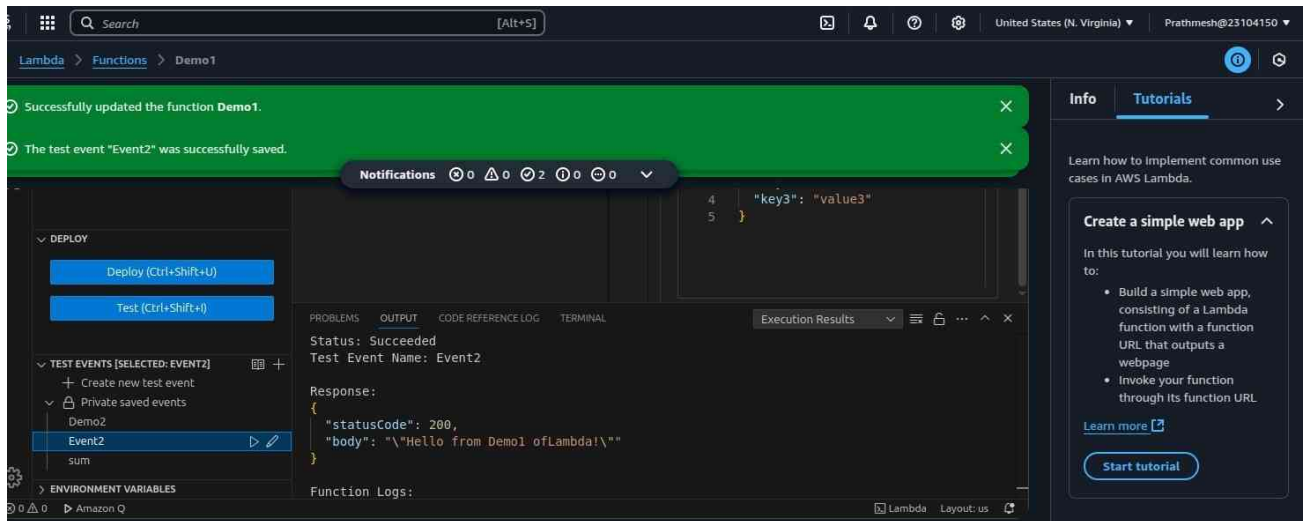
4. Lambda function is created successfully



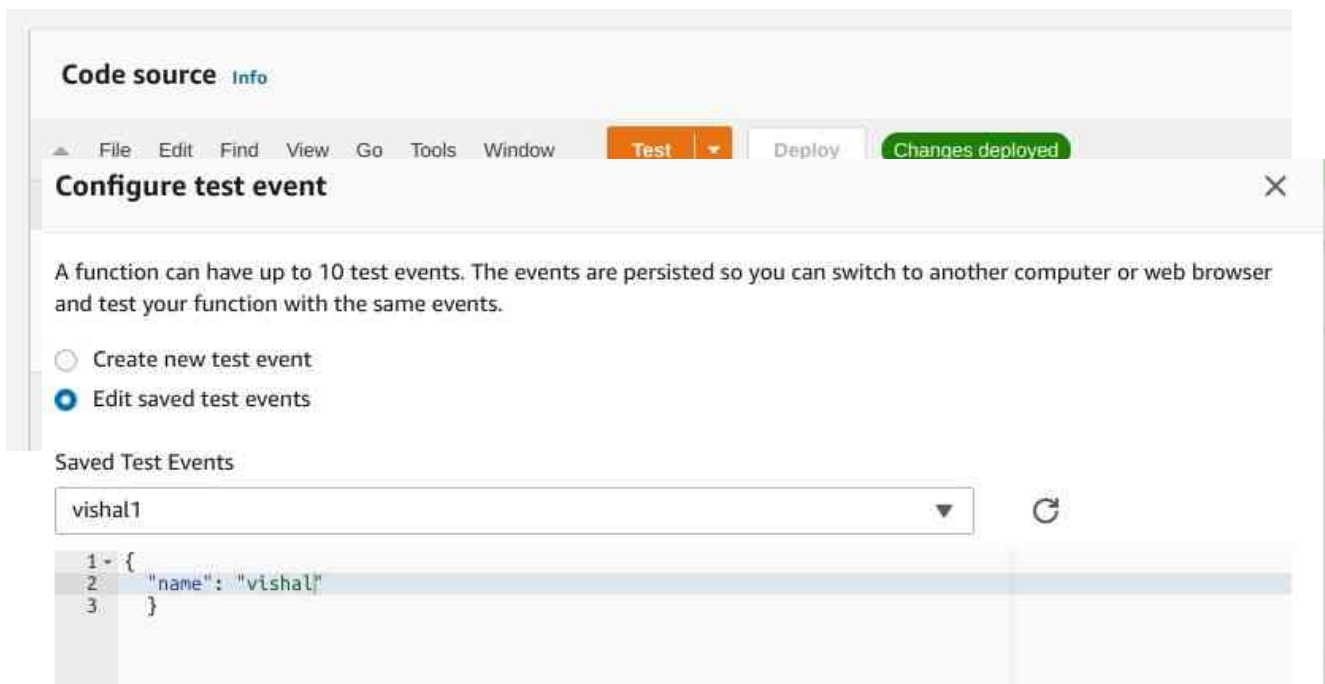
5. Write sample python code for sum of two numbers:



6. ConfigureTestEventinJsonFormat

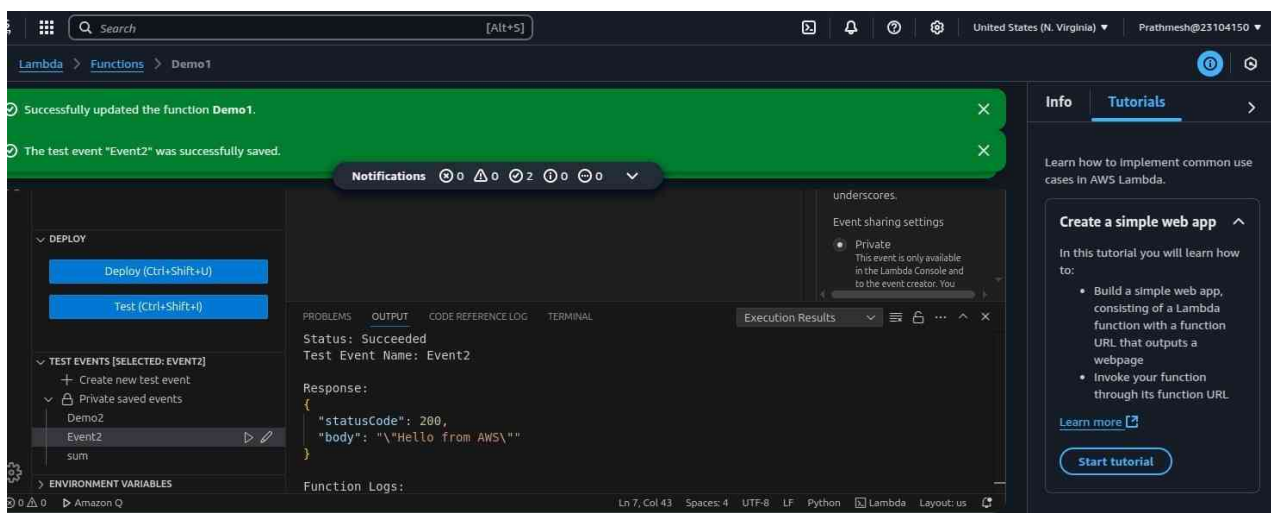


WriteasampleSecondsamplepythonCode:



ConfigureTestEvent

If condition met returns a value as a psit



Conclusion: In This We have understood To understand AWS Lambda, its workflow, various functions and create your first Lambda functions using Python / Java / Nodejs.