



**Semester: V**  
**Academic Year: 2024-25**  
**Class / Branch: TE IT**  
**Subject: Advanced Devops Lab (ADL)**  
**Name of Instructor: Prof. Manjusha Kashilkar**

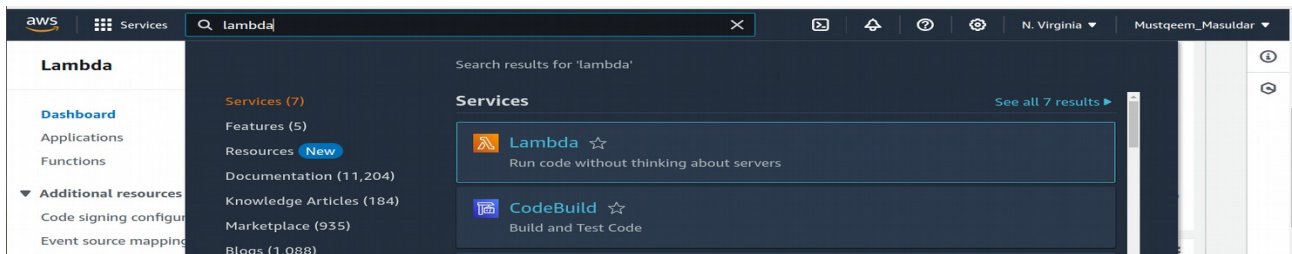
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**Student ID: 22104024**

## EXPERIMENT NO. 11

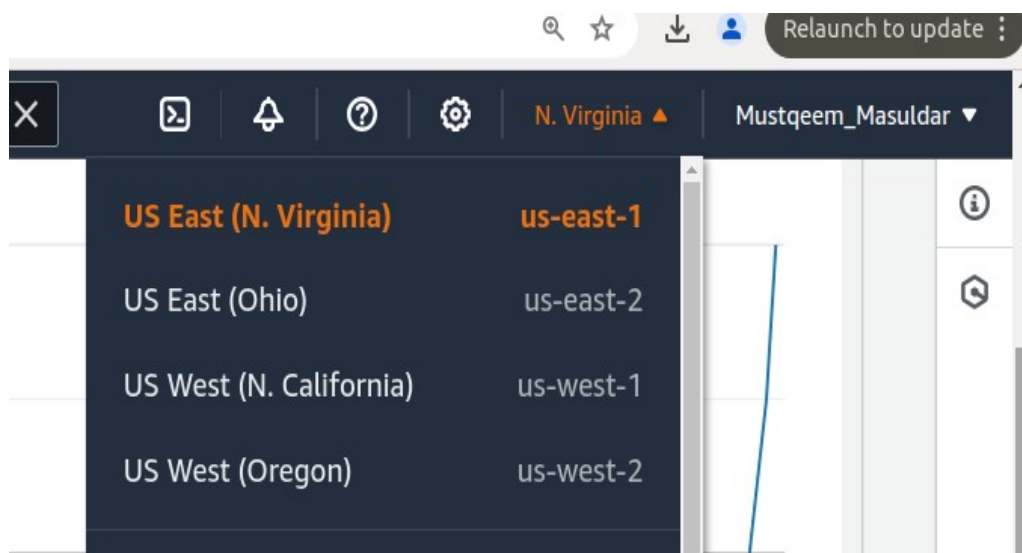
**Aim: To understand AWS Lambda, its workflow, various functions and create your first Lambda functions using Python / Java / Nodejs.**

### 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.





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3. Create sum as a Lambda Function in Python Language so select latest version of Python and choose role with basic Lambda Permission to allow cloudwatch for monitoring.

us-east-1.console.aws.amazon.com/lambda/home?region=us-east-1#/create/function

aws Services Search lambda

Lambda > Functions > Create function

### Create function

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**  
Enter a name that describes the purpose of your function.  
  
Use only letters, numbers, hyphens, or underscores with no spaces.

**Runtime**  
Choose the language to use to write your function. Note that the console code editor supports only Node.js, Python, and Ruby.

Architecture

4. Lambda sum function is created successfully

myfunc | Functions | Lambda

us-east-1.console.aws.amazon.com/lambda/home?region=us-east-1#/functions/myfunc?newFunction=true&tab=code

aws Services Search

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

### myfunc

Throttle Copy ARN Actions

Export to Application Composer Download

#### Function overview

Diagram Template

myfunc

Layers (0)

+ Add trigger + Add destination

Description

Last modified 9 seconds ago

Function ARN  
arn:aws:lambda:us-east-1:905418380490:function:myfunc

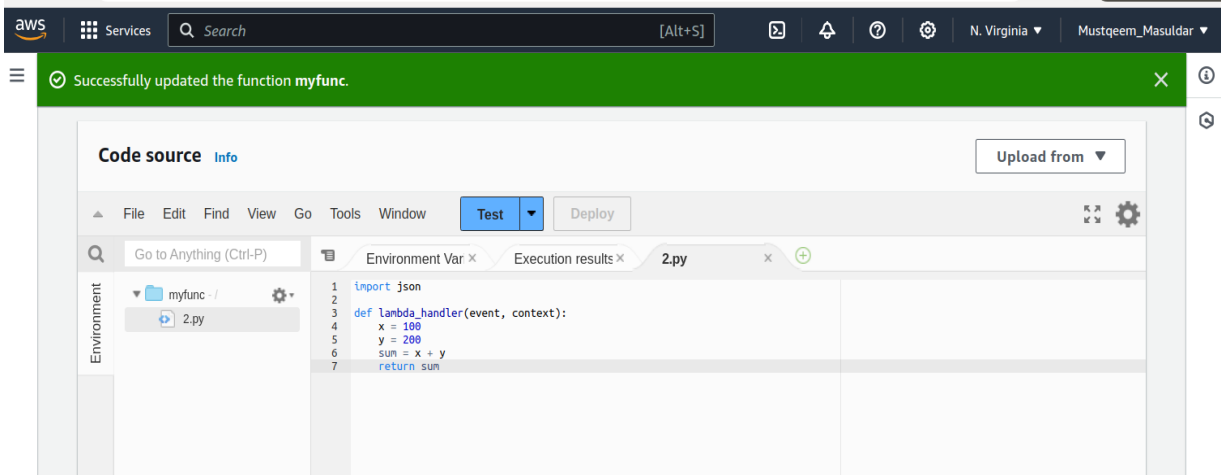
Function URL

Code Test Monitor Configuration Aliases Versions

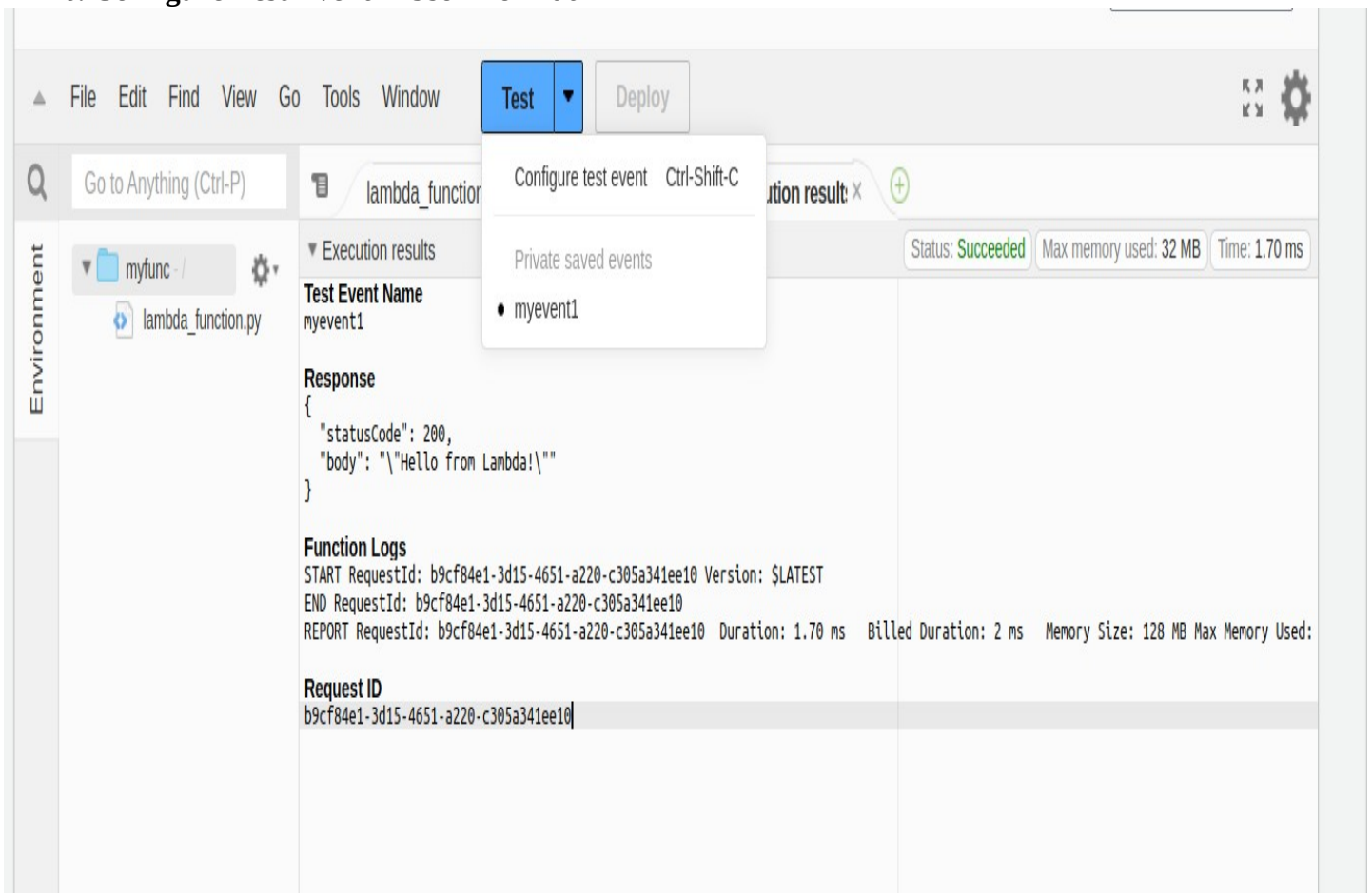
Code source Upload from



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



### 6. Configure Test Event in Json Format





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**Conclusion:** Hence we have understood to use AWS Lambda, its workflow, various functions and create your first Lambda functions using Python / Java / Nodejs.