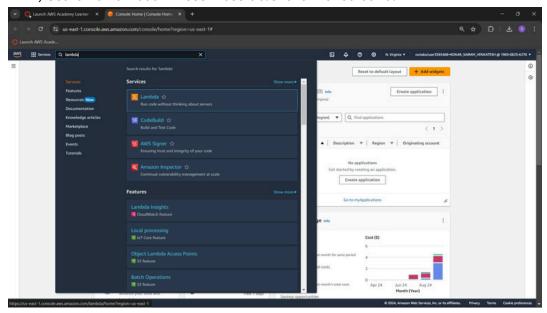
Aim:TounderstandAWSLambda,itsworkflow,variousfunctionsandcreateyourfirst Lambda functions using Python / Java / Nodejs.

Prerequisites:

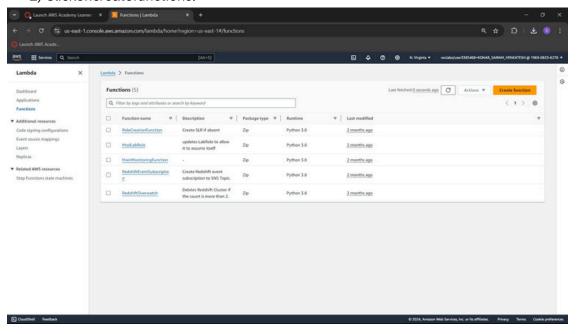
1) AWSaccount(academyrecommended)

Step 1: Set up AWS Lambda Function

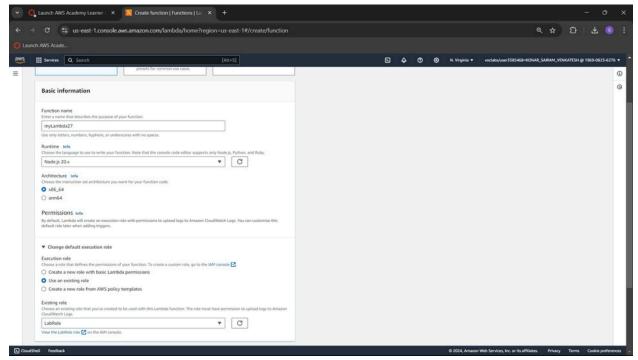
1) SearchforLambdaintheservicestab.Clickonitoncefound.



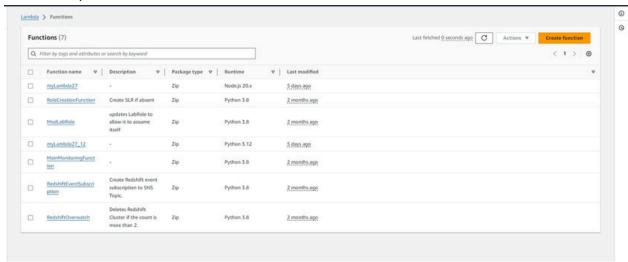
2) Clickoncreatefunctions.



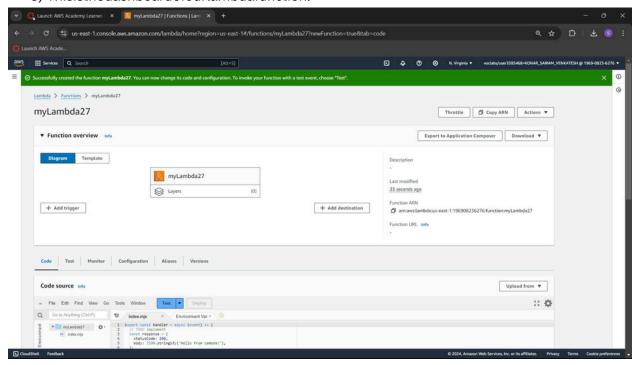
3) GiveanametoyourLambdafunction.SelecttheruntimeasNode.js20.x(Youcanalso use python). Select the architecture as x86_64. Set the default execution role as LabRole if you are doing this on your academy account. (Use an existing role → LabRole)



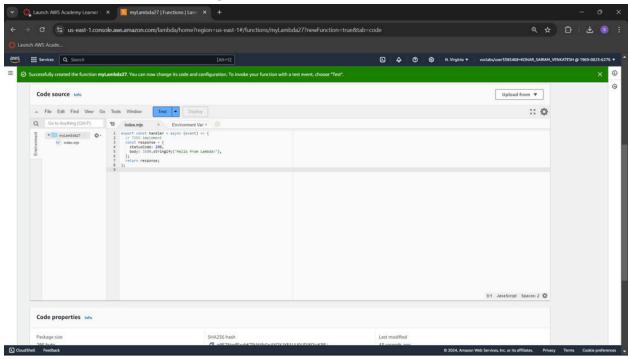
4) Oncethefunctioniscreated, clickonthename of the function (my Lambda 27 in my case).



5) Thisisthedashboardofourlambdafunction.

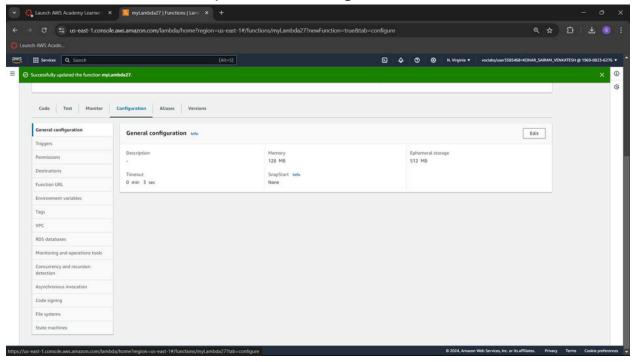


6) This function has the following default code, which is used to print "Hello form Lambda!".

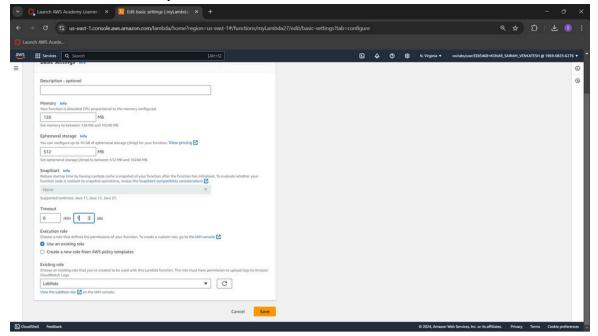


Step 3: Set up configurations and test events

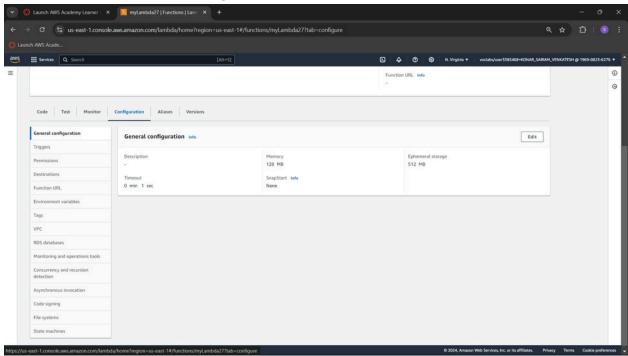
1) Just above the test code, you would find Configuration, click on it. Then click on Edit.



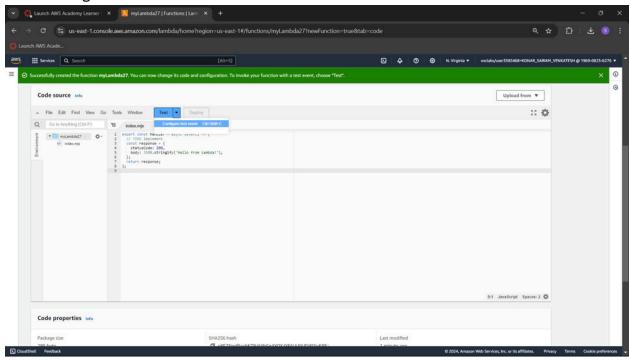
2) Here, change the Time out to 1 sec. This is the time for which the function can be running before it is forcibly terminated.



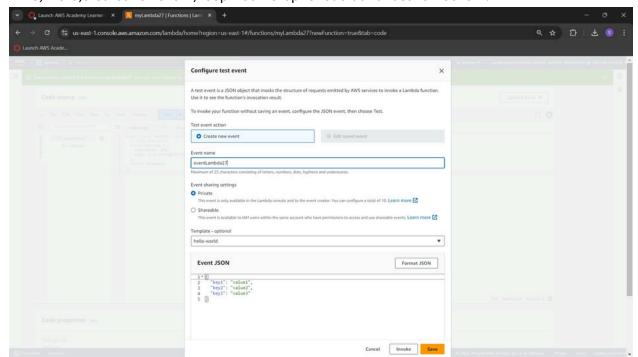
3) Wecanseetheexecutedchanges.



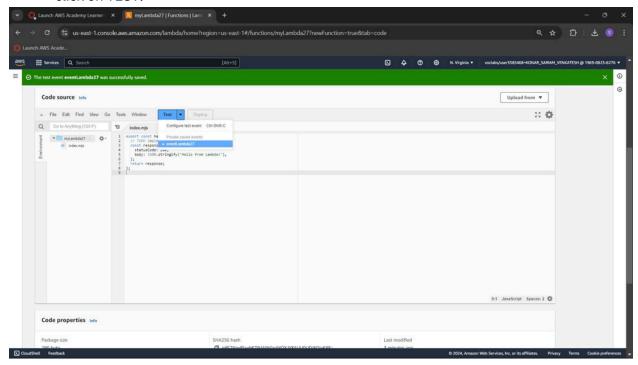
4) Switchbacktothecodetab.Clickonthedropdownarrowneartest.Thenselect configure test event.



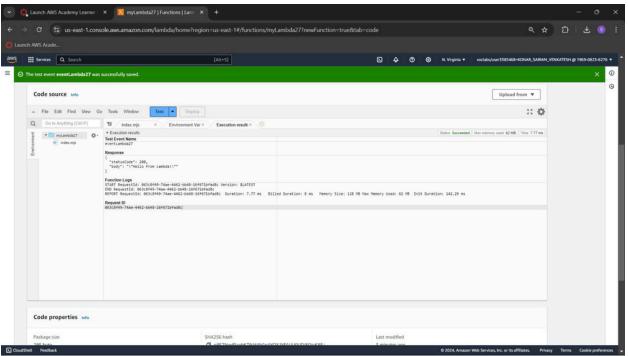
5) Here, create a new event, keep the other options default and save the event.



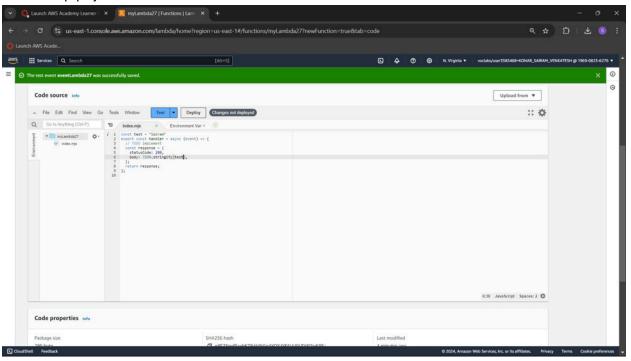
6) Now, again click on the dropdown. This time, select the event you have created. Then, click on TEST.



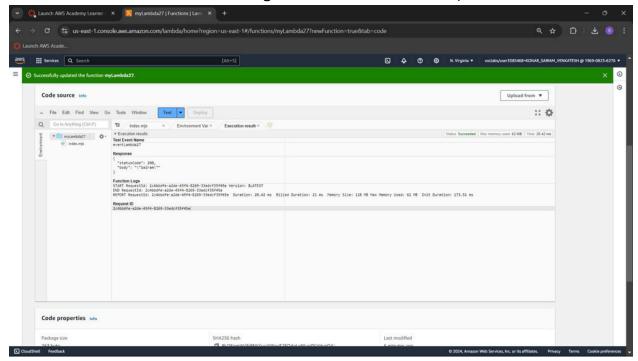
7) Wecanseetheexpectedoutputforthesamplecode.



8) Foratest, declareastring and callitin line 6. Aftermaking the changes click on deploy.



9) Runthetest. We can see that the string we declared has come in the output.



Conclusion:

In this experiment, we successfully explored the AWS Lambda service by creating and configuring Lambda functions using Python, Java, or Node.js. We learned how to set up a Lambda function, modify its configuration (such as adjusting the timeout), and test the function with custom events. Through this process, we observed how Lambda handles executions, including managing timeouts and returning expected outputs based on the code changes.