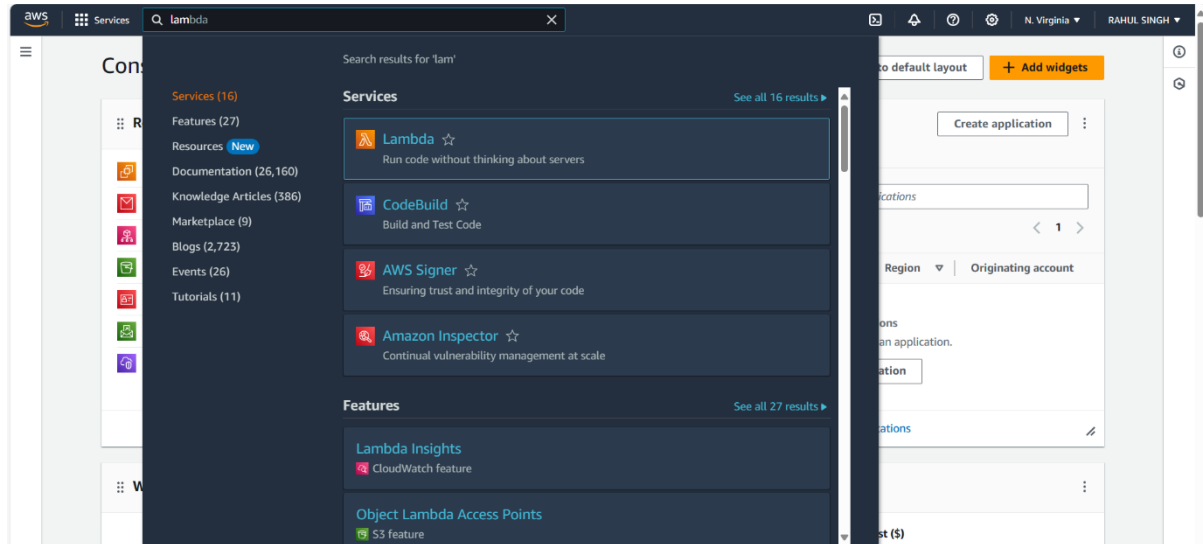


ASSIGNMENT – 15

Problem Statement: Create a serverless computing service.

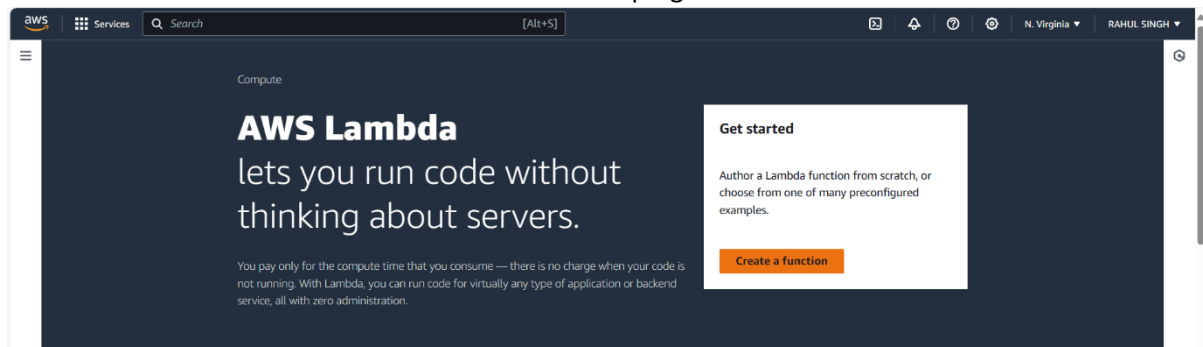
1. Sign-in to your AWS console.

2. Search for Lambda



Click on the first result named Lambda.

3. Now click on the Create Function button on the top right corner.



4. Select Author from scratch option.

5. Give the name of the function.

The screenshot shows the 'Basic information' tab of the AWS Lambda 'Create function' wizard. The 'Function name' field contains 'fun1'. The 'Runtime' is set to 'Node.js 20.x'. The 'Architecture' is set to 'x86_64'. The 'Permissions' section shows a default role. At the bottom, there are 'Cancel' and 'Create function' buttons.

Function name
Enter a name that describes the purpose of your function.
fun1

Runtime [Info](#)
Choose the language to use to write your function. Note that the console code editor supports only Node.js, Python, and Ruby.
Node.js 20.x

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

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

► Advanced settings

Cancel Create function

6. Choose Node.js as the Runtime. (No need to change architecture.)

7. Now click on the create function button

8. Now scroll-down to the code section of your newly created function.

The screenshot shows the 'fun1' function overview in the AWS Lambda console. A green notification bar at the top states: 'Successfully created the function fun1. You can now change its code and configuration. To invoke your function with a test event, choose "Test".' The 'Function overview' section shows the function name 'fun1', its description, last modified time, and function ARN. The 'Code' tab is selected at the bottom.

Successfully created the function fun1. You can now change its code and configuration. To invoke your function with a test event, choose "Test".

Lambda > Functions > fun1

fun1

Throttle Copy ARN Actions

Function overview [Info](#)

Export to Application Composer Download

Diagram Template

fun1

Layers (0)

+ Add trigger + Add destination

Description
-

Last modified
5 seconds ago

Function ARN
arn:aws:lambda:us-east-1:211125581892:function:fun1

Function URL [Info](#)
-

Code Test Monitor Configuration Aliases Versions

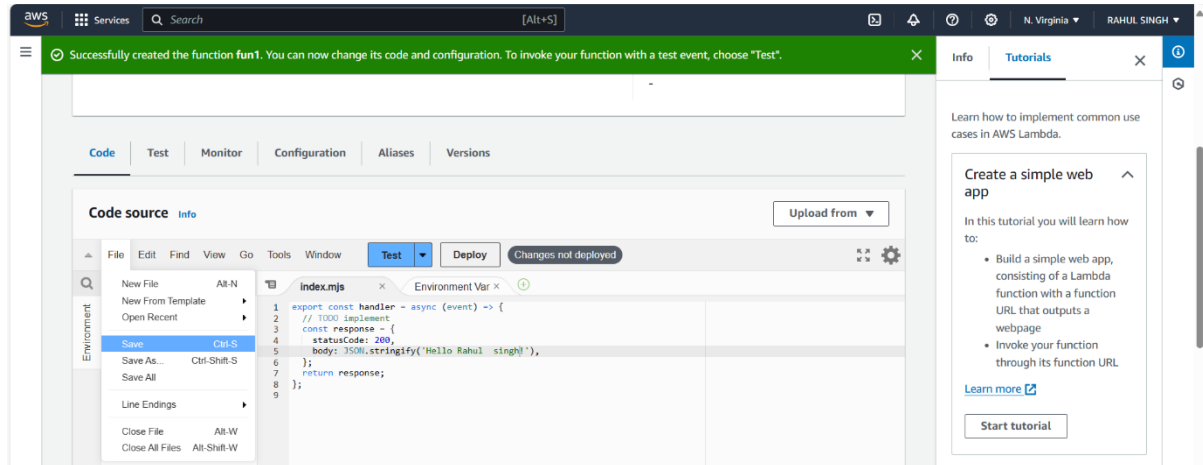
9. Change the string in the code to be displayed.

We changed it to this.....

10. Now go to File option and click on save to save the changes.

11. Now click on the Test button.

12. Select Create New Event. Then give a name. Then click on save.



13. After saving. Now click on the Deploy button.

14. After successful deployment a message will pop as mentioned below and the deploy button will be

locked out, indicating that our Function has been successfully deployed

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

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](#)

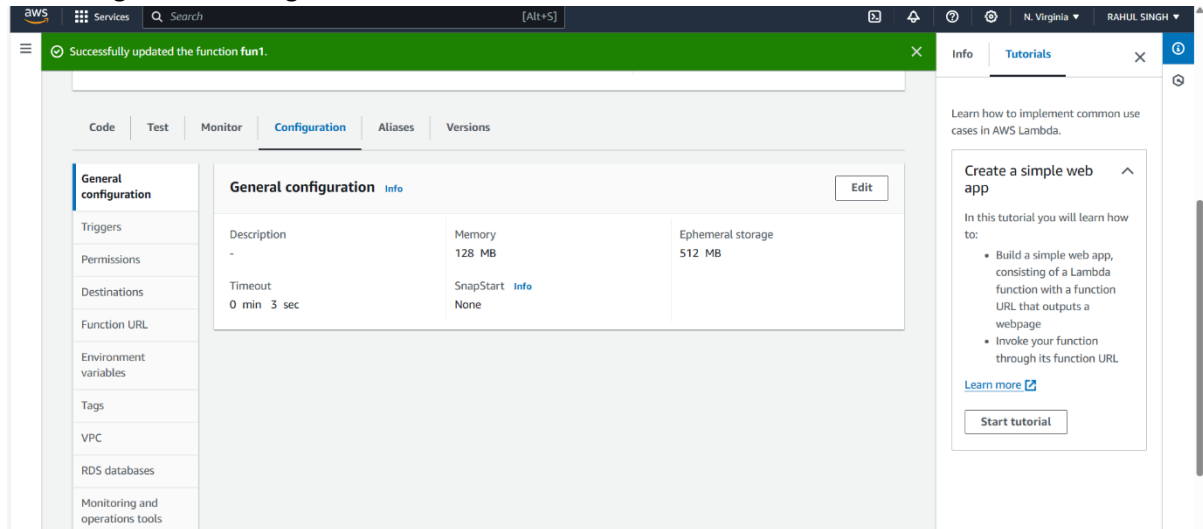
☐ Shareable
This event is available to IAM users within the same account who have permissions to access and use shareable events. [Learn more](#)

Template - optional

Event JSON

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

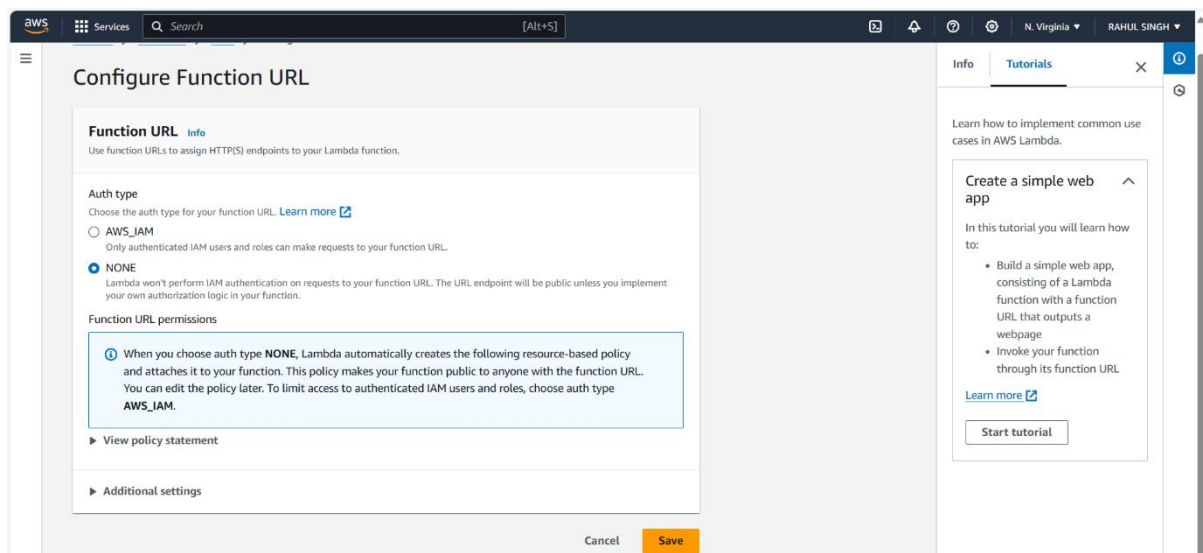
15. Now go to the configuration tab.



16. Click on the Function URL option in the left side Bar.

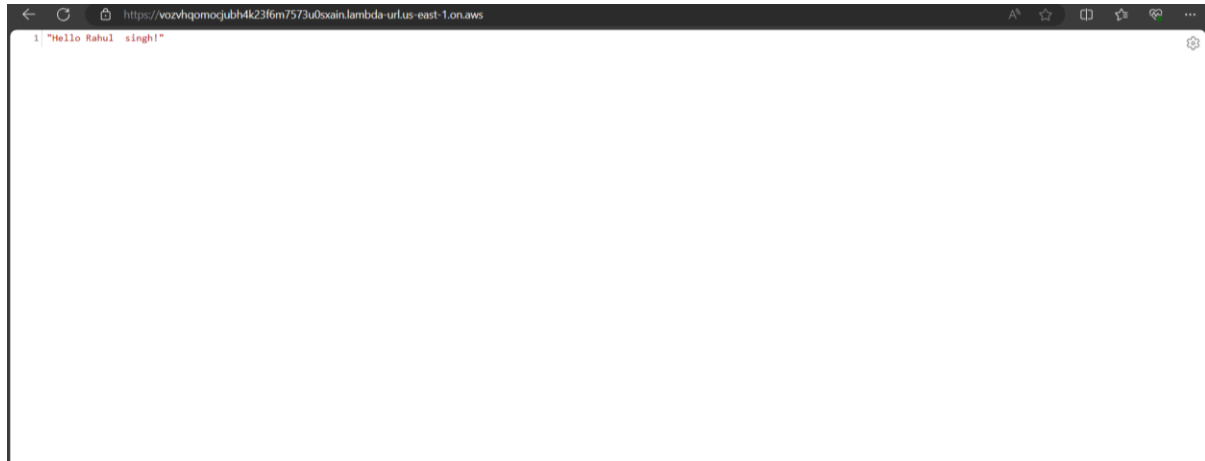
17. Click on Create function URL.

18. Choose NONE and click on the save button.



19. Now copy the newly created Function URL and paste it in a different browser.

We have successfully Created a Serverless Computing service.



To delete the Lambda Function, follow these steps:

1. Click on the Actions button on the top right side.
2. Select the Delete function option and then click on delete button in the pop-up

