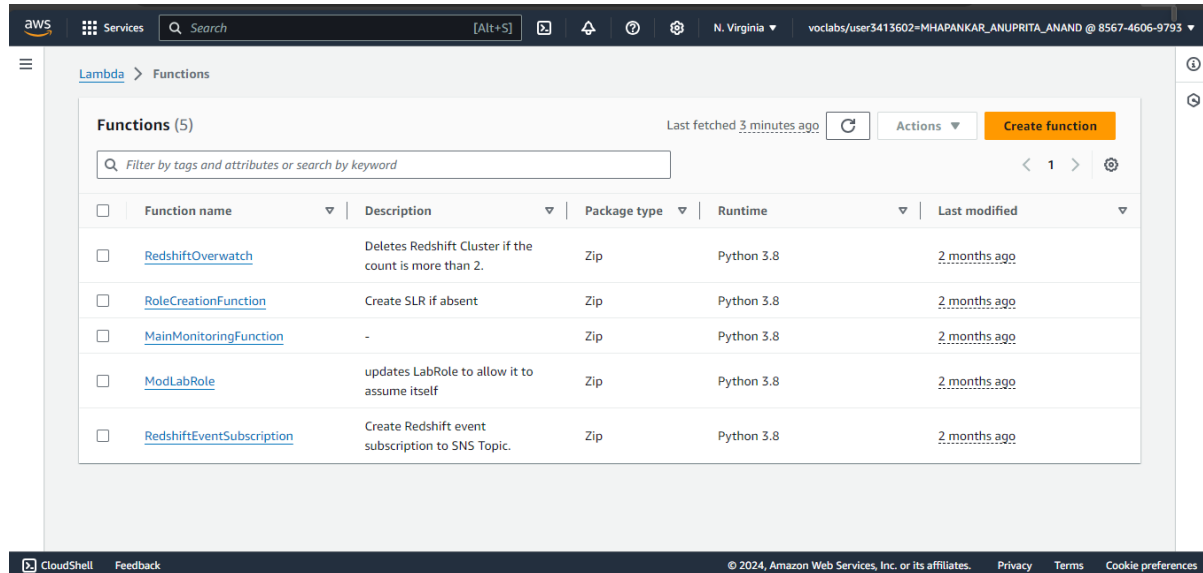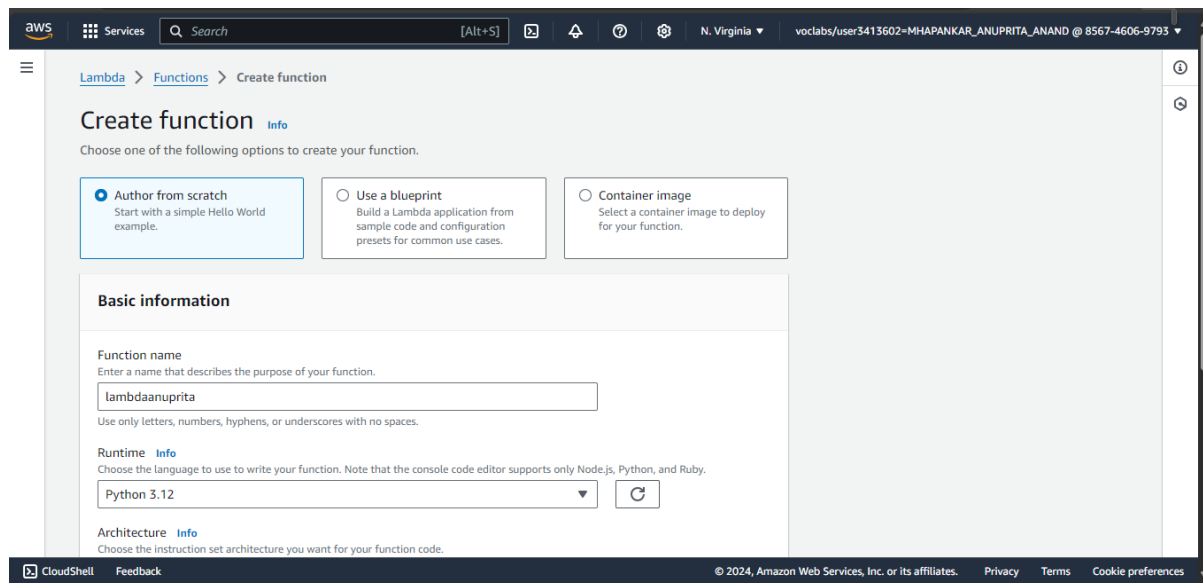**Experiment 11**

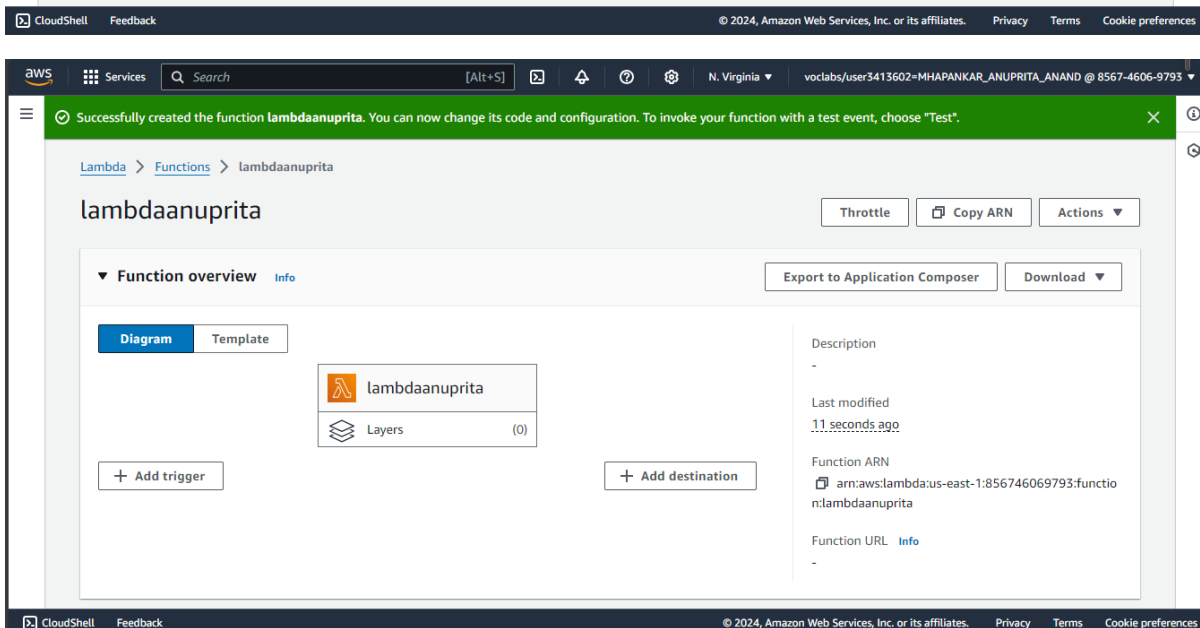**Aim**: To understand AWS Lambda, its workflow, various functions and create your first Lambda functions using Python / Java / Nodejs.

Step1: Open up the Lambda Console and click on the Create button.

Step 2: Create a function and name it and select the runtime environment as Python 3.12 and for the role select the existing role LabRole.
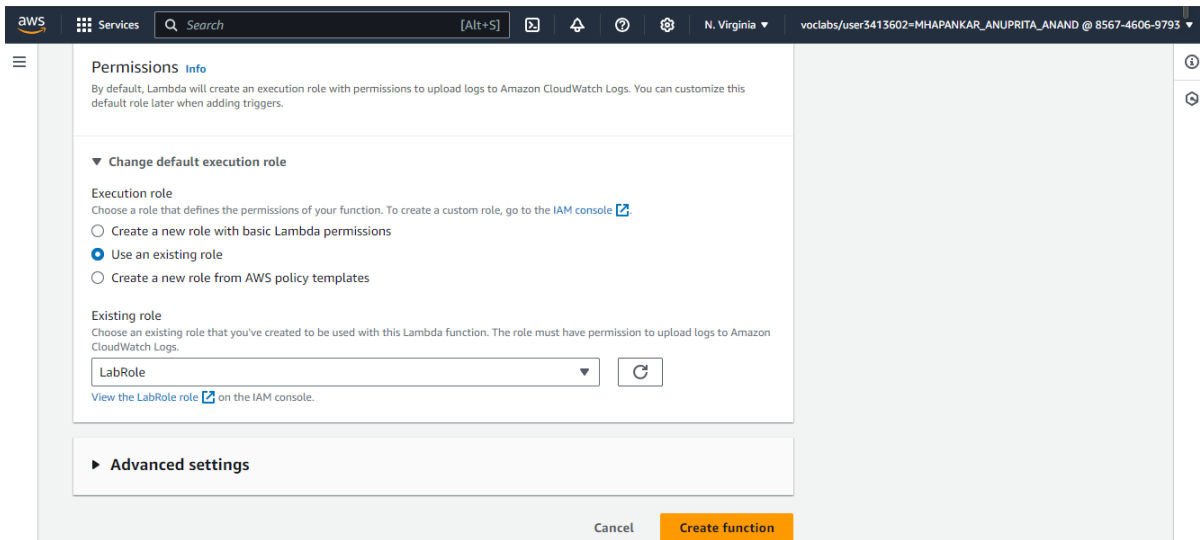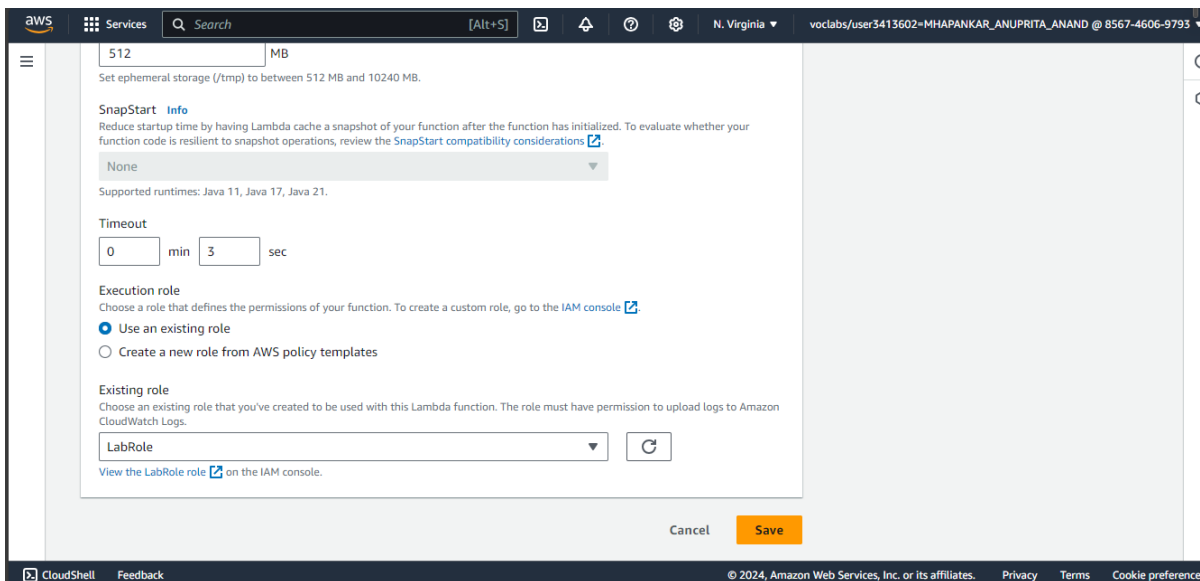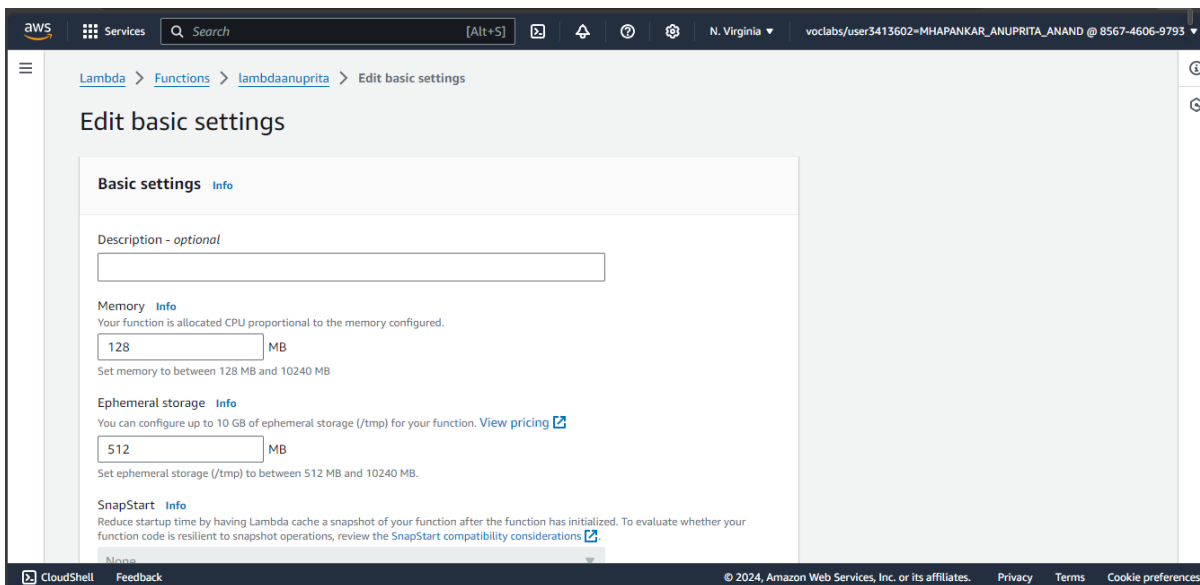
Step 3: Scroll down to the code source section and then visit Configuration section and click on edit.
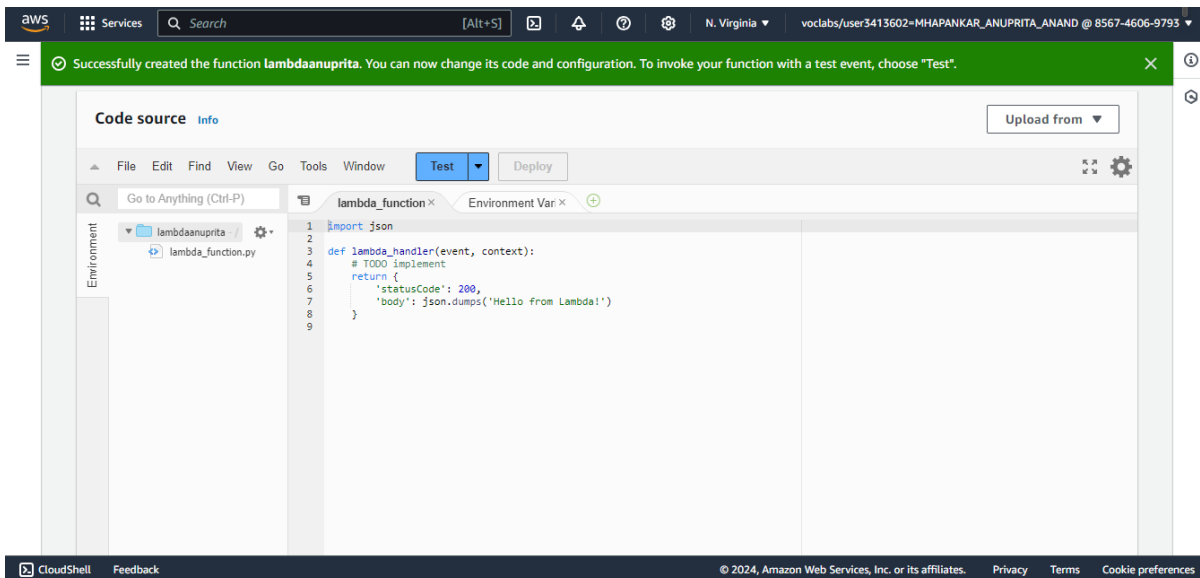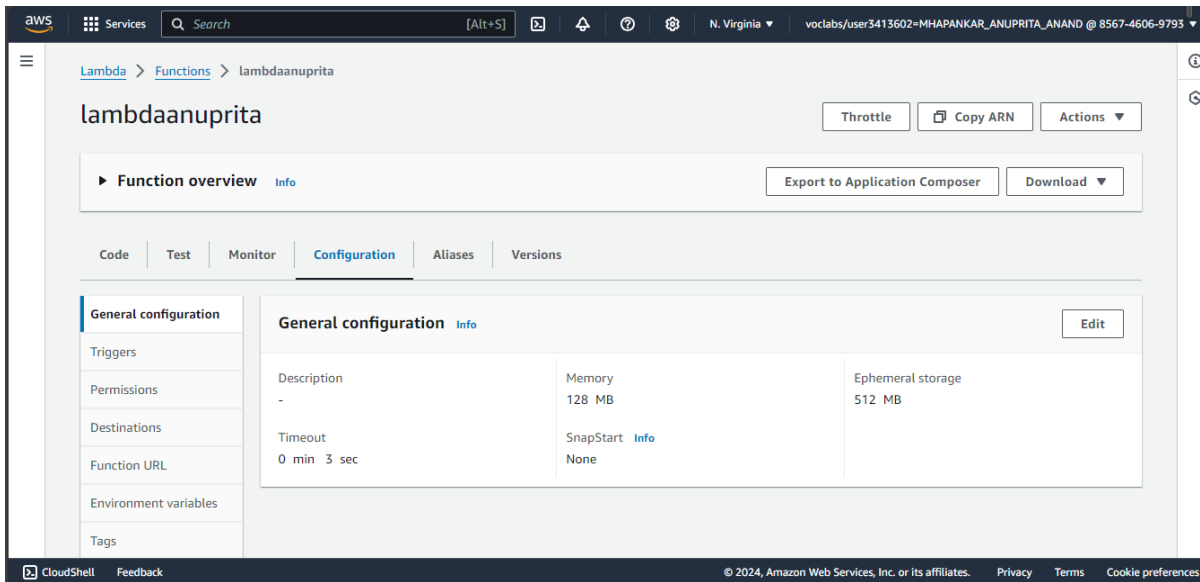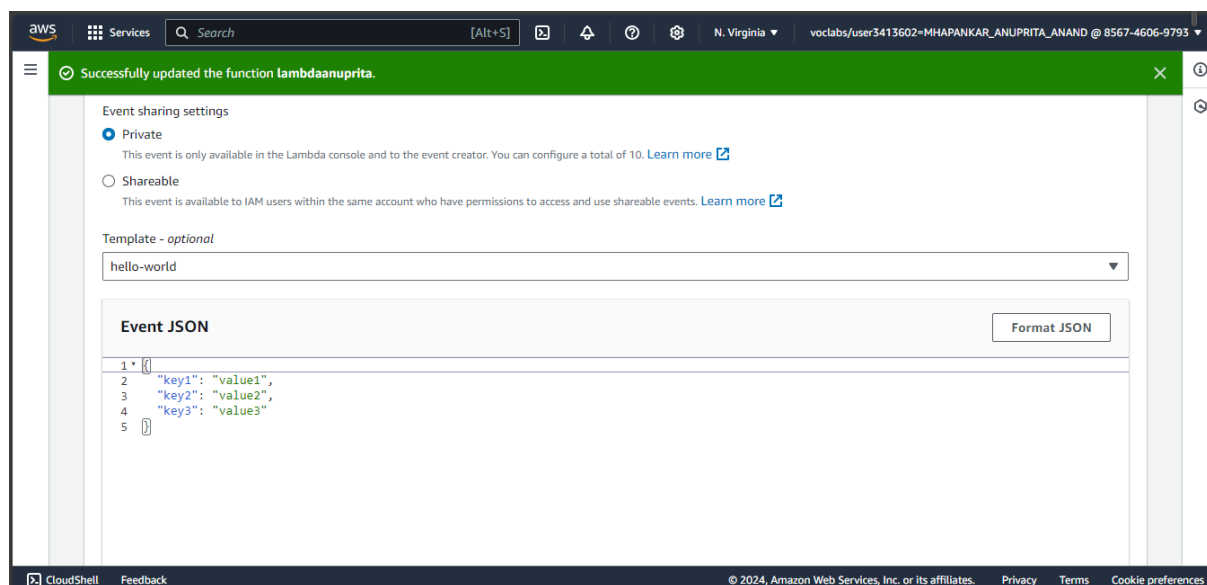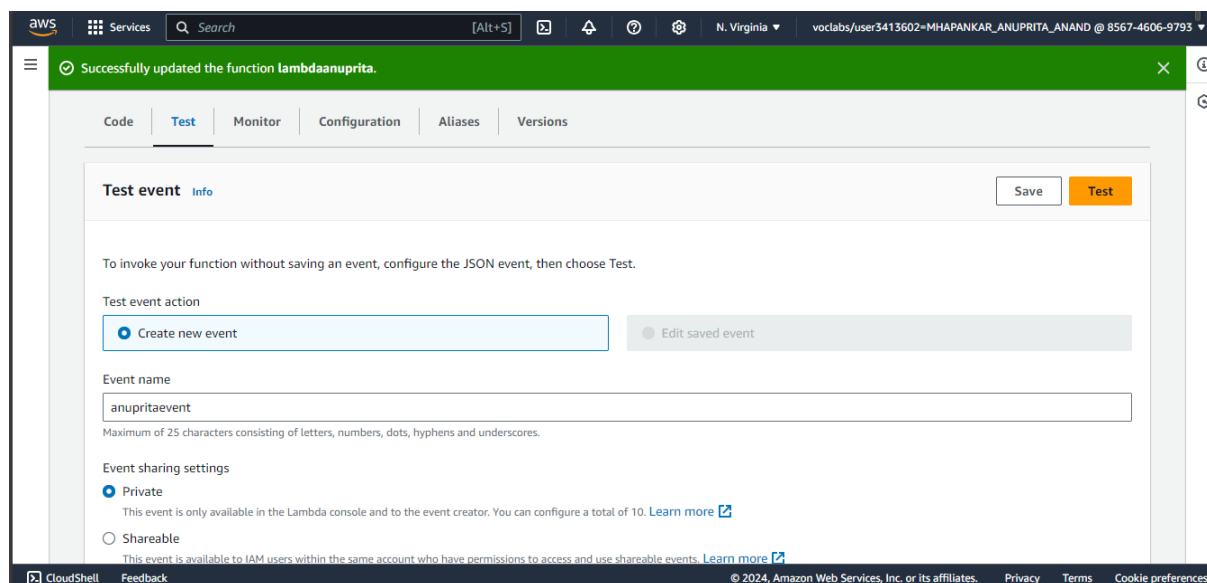
Step 4: Make the following changes and then click on the save button.

Step 5: Scroll down to the code source section and then visit Test section. Create a new event and then name the event. Now, click on Test.

⊘ Successfully updated the function **lambdaanuprita**.   ✕

Code   Test   Monitor   Configuration   Aliases   Versions

Test event   Info

Save   **Test**

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

anupritaevent

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 ↗

⊘ Successfully updated the function **lambdaanuprita**.   ✕

Event sharing settings

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Template - *optional*

hello-world ▼

Event JSON

Format JSON

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

Step 6: The test results are as shown below.

⊘ The test event **anupritaevent** was successfully saved.   ✕

Code source   Info   Upload from ▼

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

Go to Anything (Ctrl-P)

lambda_function ✕   Execution results ✕   ⊕

▾ lambdaanuprita
     lambda_function.py

▾ Execution results   Status: **Succeeded**   Max memory used: 32 MB   Time: 1.98 ms

Test Event Name
(unsaved) test event

Response
```
{
  "statusCode": 200,
  "body": "\"Hello from Lambda!\""
}
```

Function Logs
START RequestId: efa4b7a6-4876-4478-bcfb-e304307119f8 Version: $LATEST
END RequestId: efa4b7a6-4876-4478-bcfb-e304307119f8
REPORT RequestId: efa4b7a6-4876-4478-bcfb-e304307119f8 Duration: 1.98 ms Billed Duration: 2 ms Memory Size: 128 MB Max Memory Used: 32 MB

Request ID
efa4b7a6-4876-4478-bcfb-e304307119f8