Lambda assignment

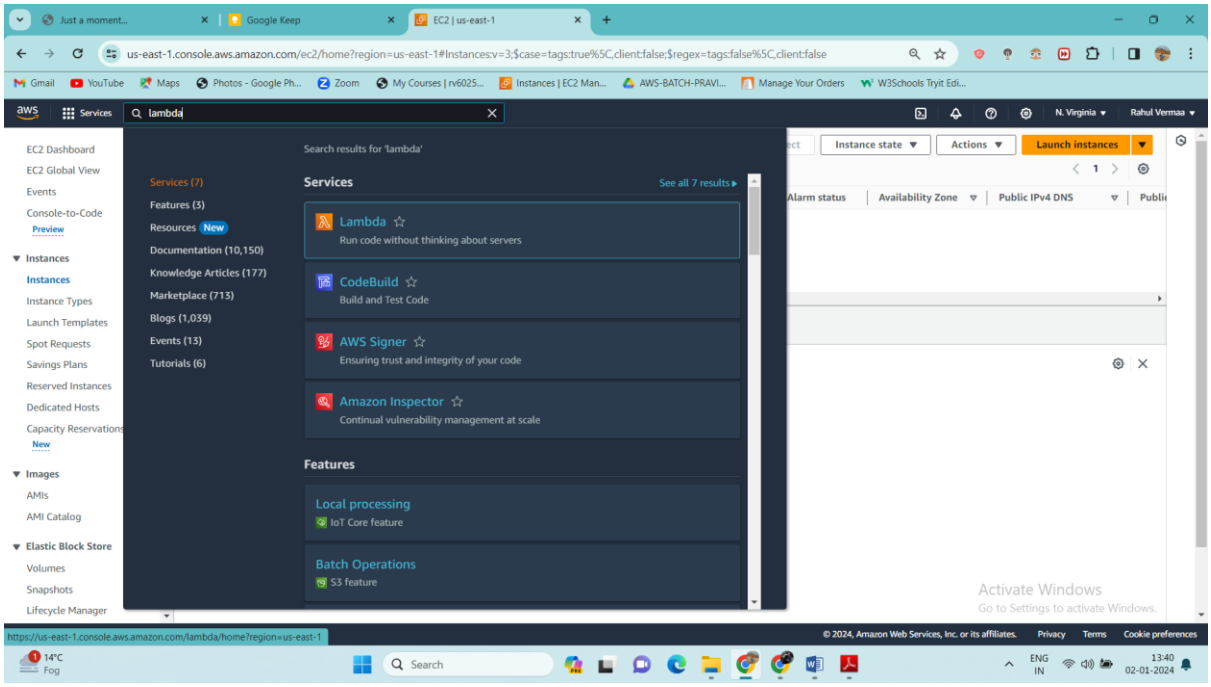
Problem Statement:

You work for XYZ Corporation. Your corporation wants to launch a new web-based application and they do not want their servers to be running all the time. It should also be managed by AWS. Implement suitable solutions.

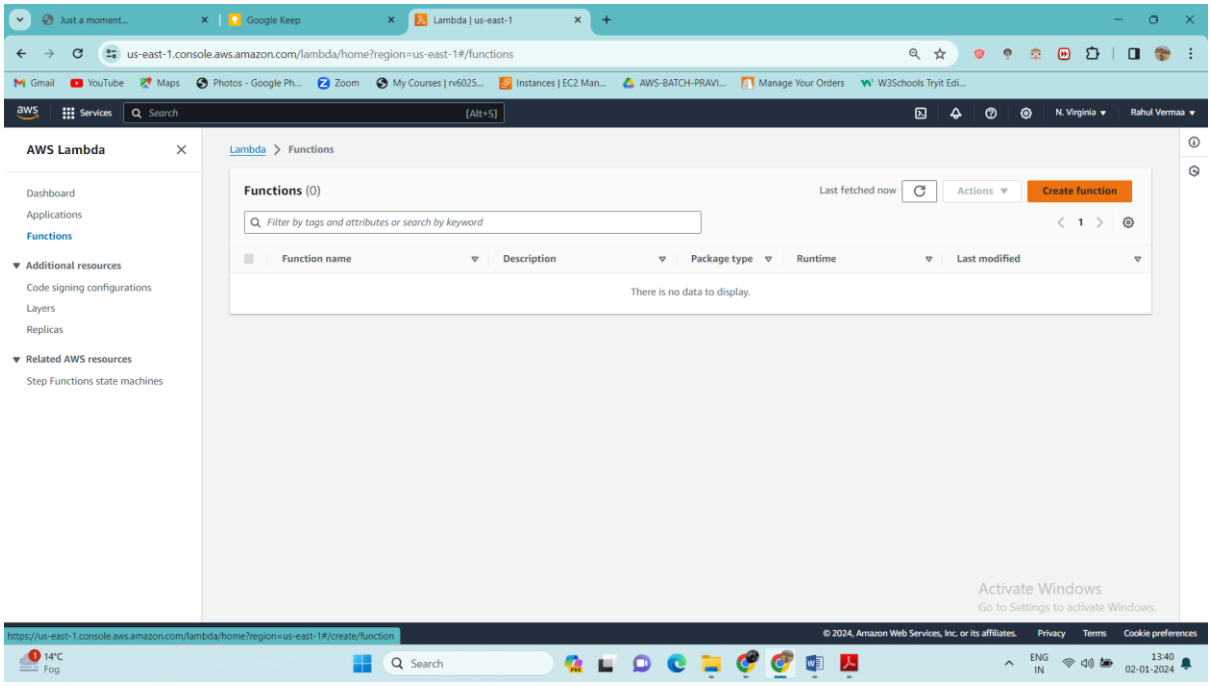
Tasks To Be Performed:

1. Create a sample Python Lambda function.
2. Set the Lambda Trigger as SQS and send a message to test invocations.

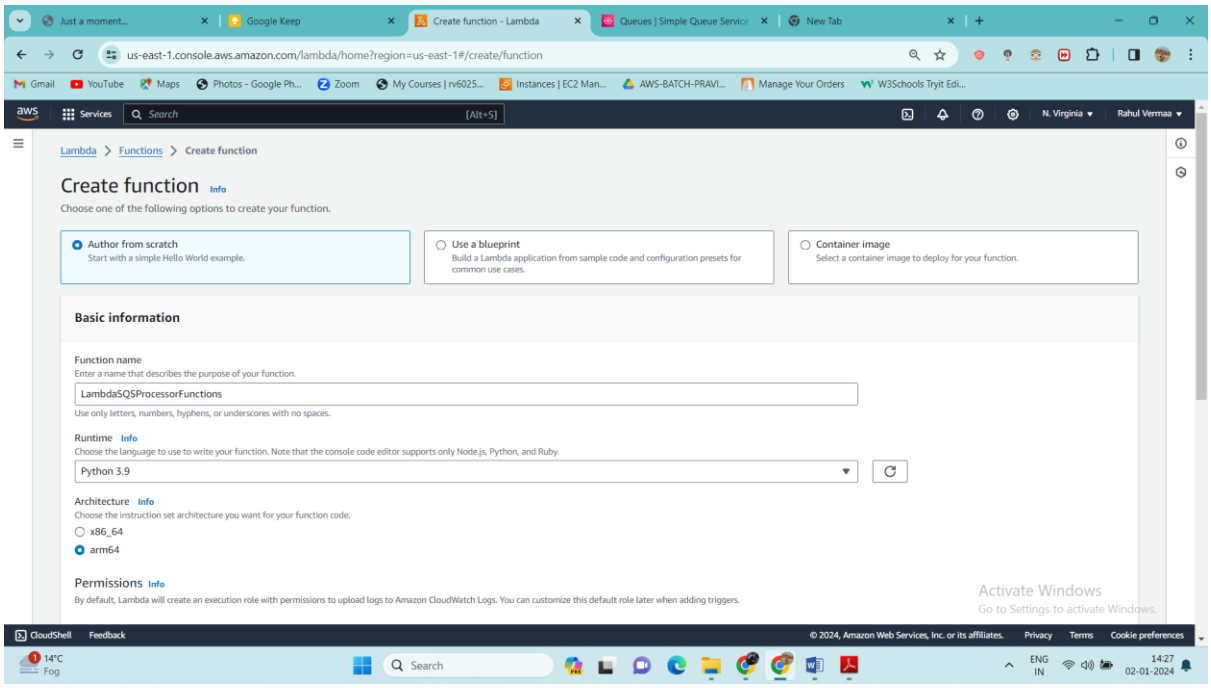
First search for Lambda in your aws account



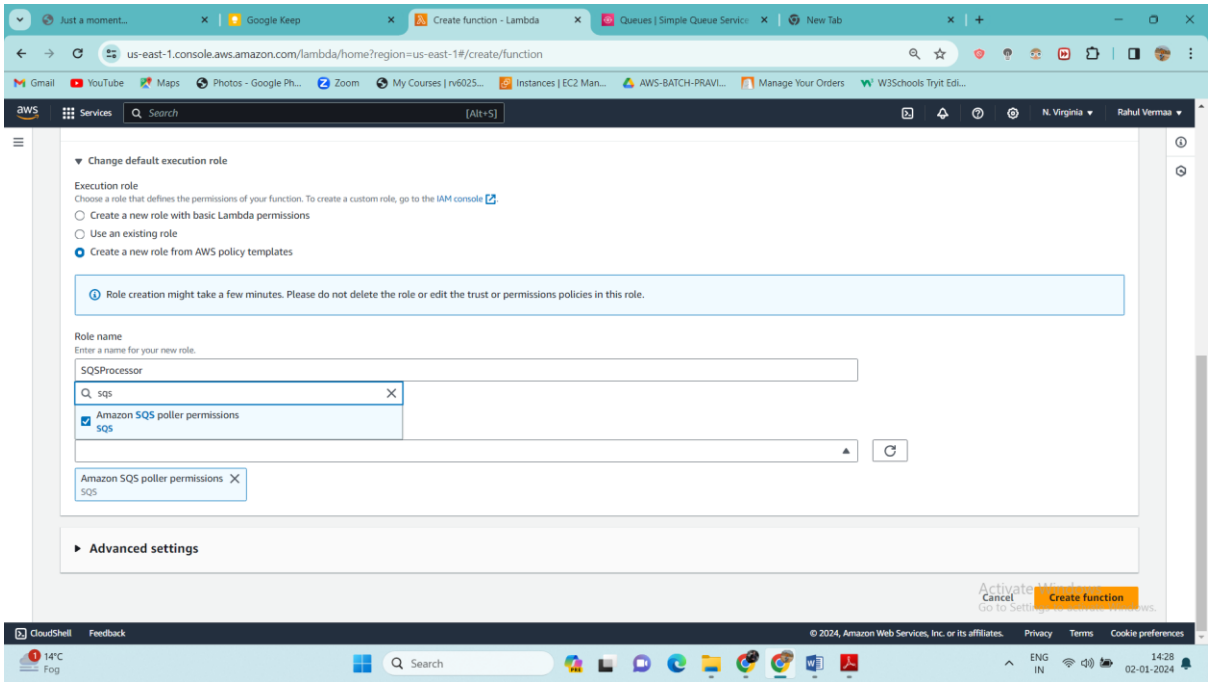
Now create one lambda function



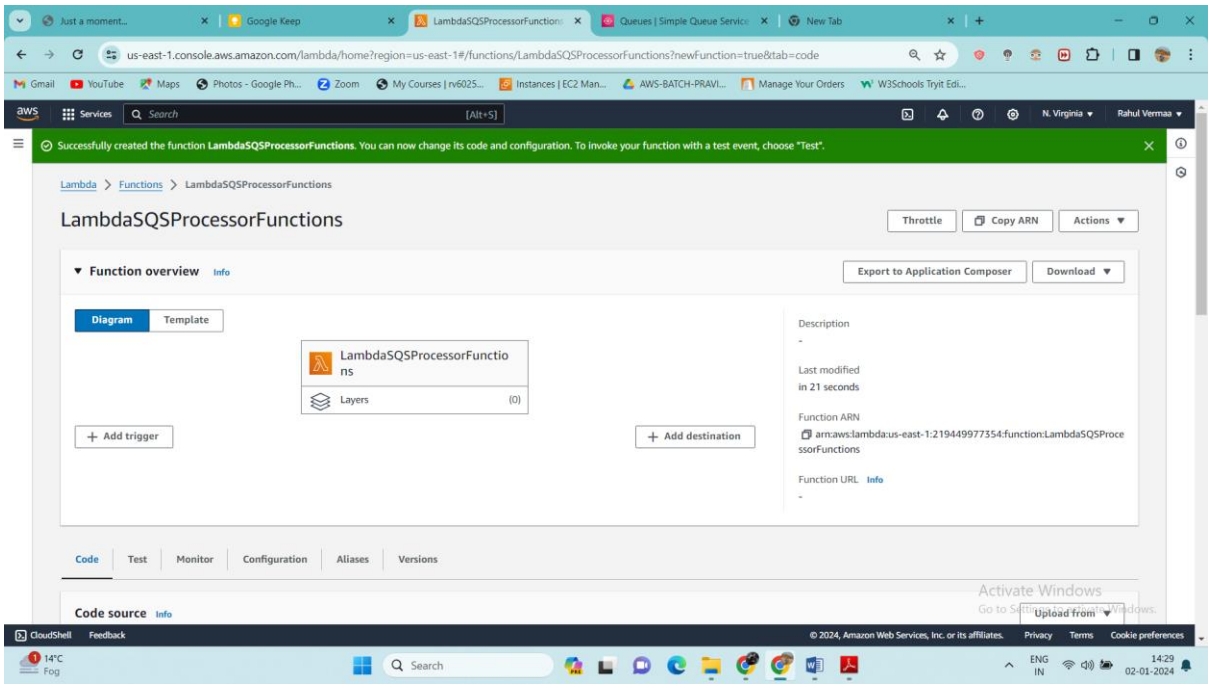
Select configurations and options



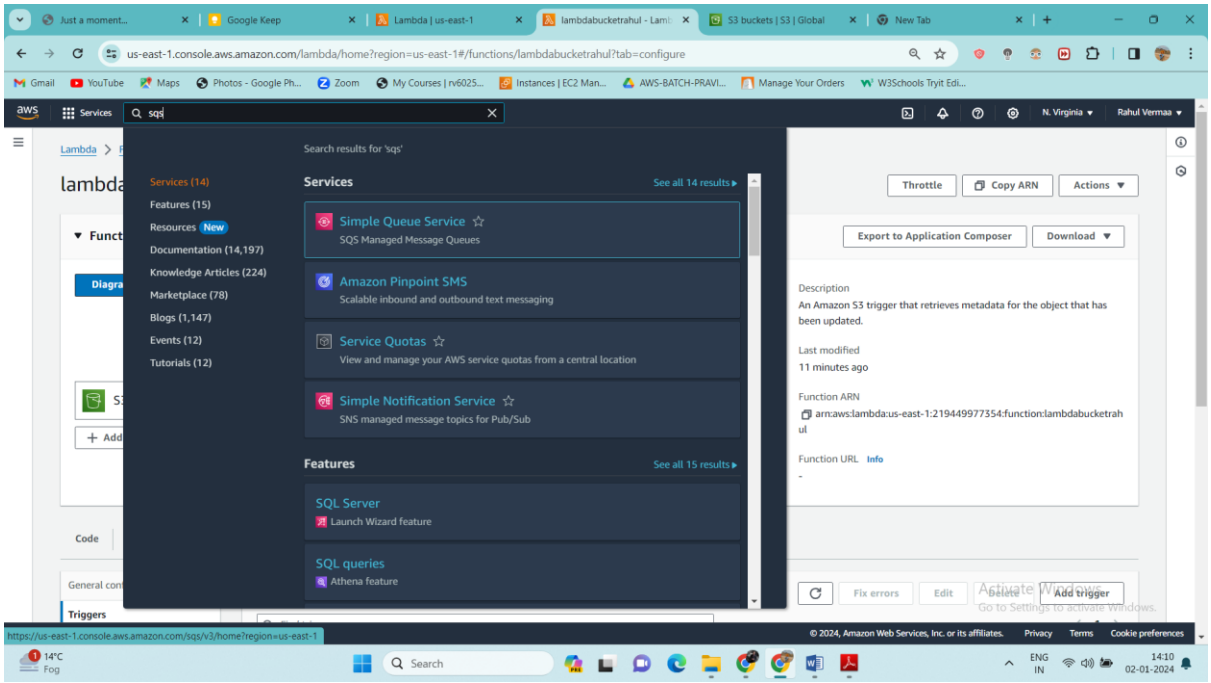
Now we have to add permissions to your lambda function.



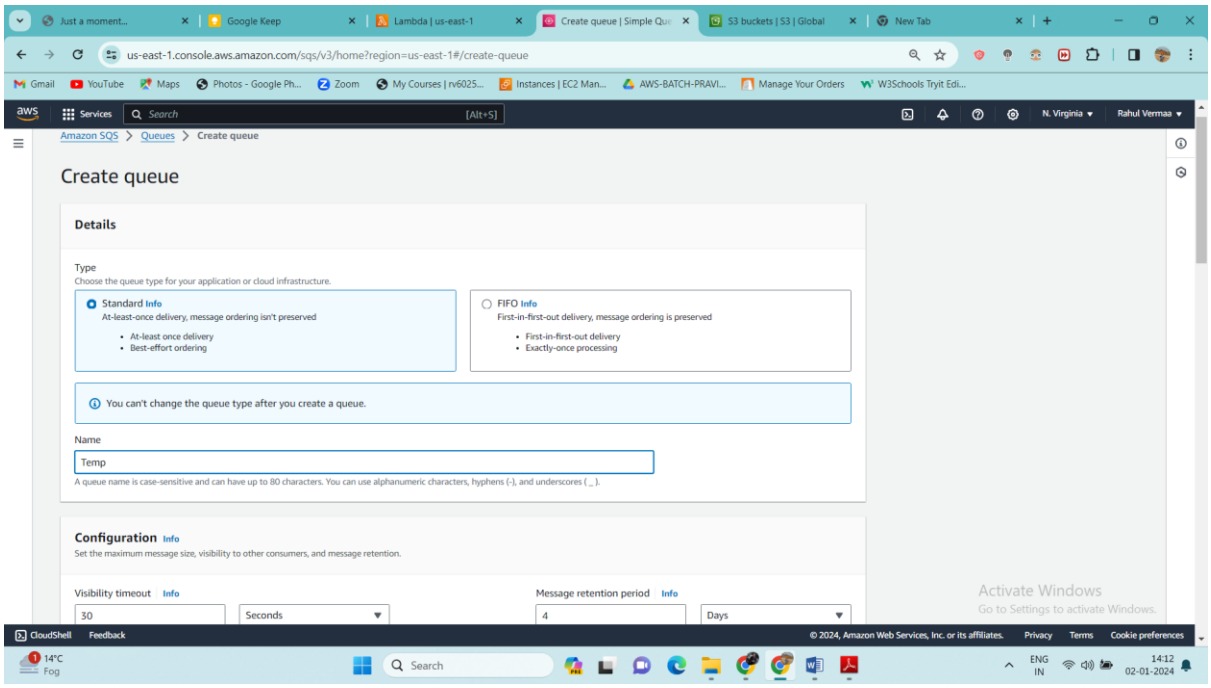
Our lambda function is created



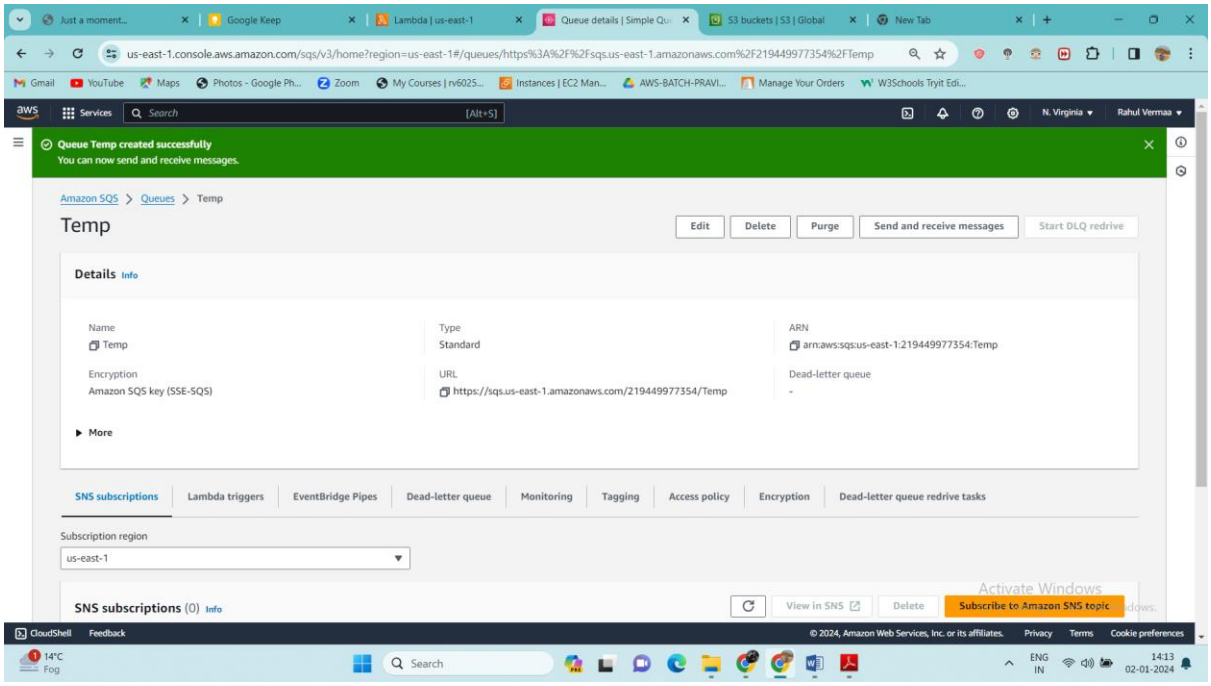
We have to add trigger as SQS, so first im gonna create one SQS.

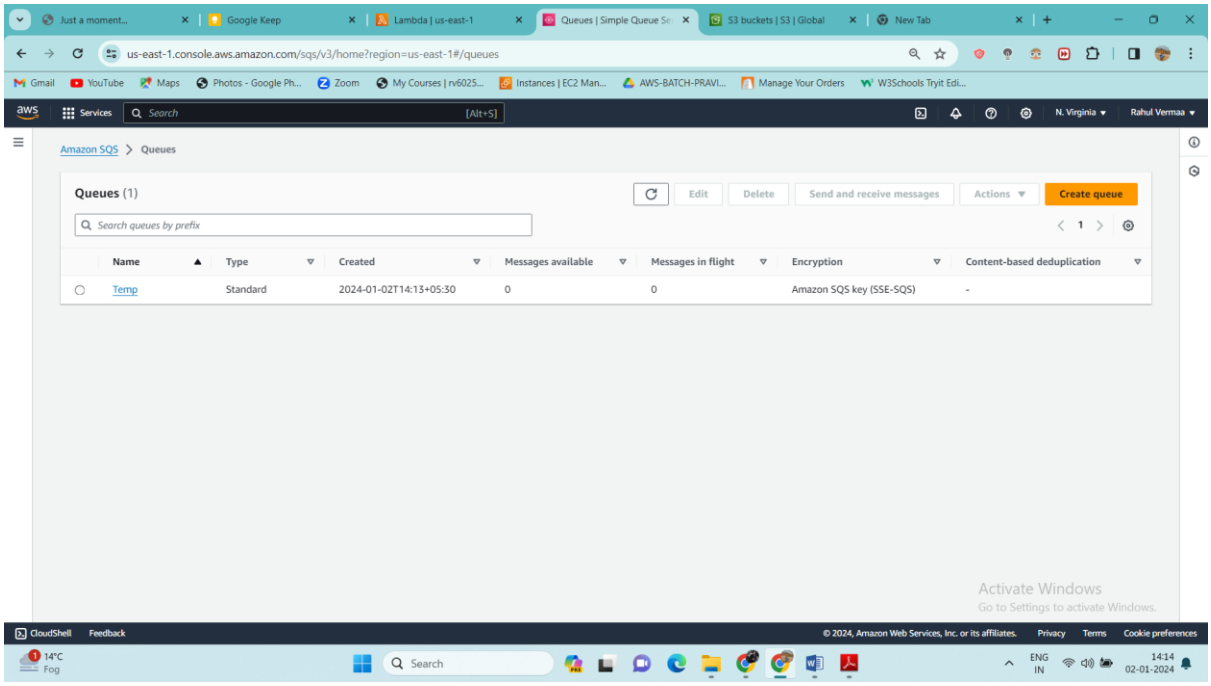


Select options and define your SQS

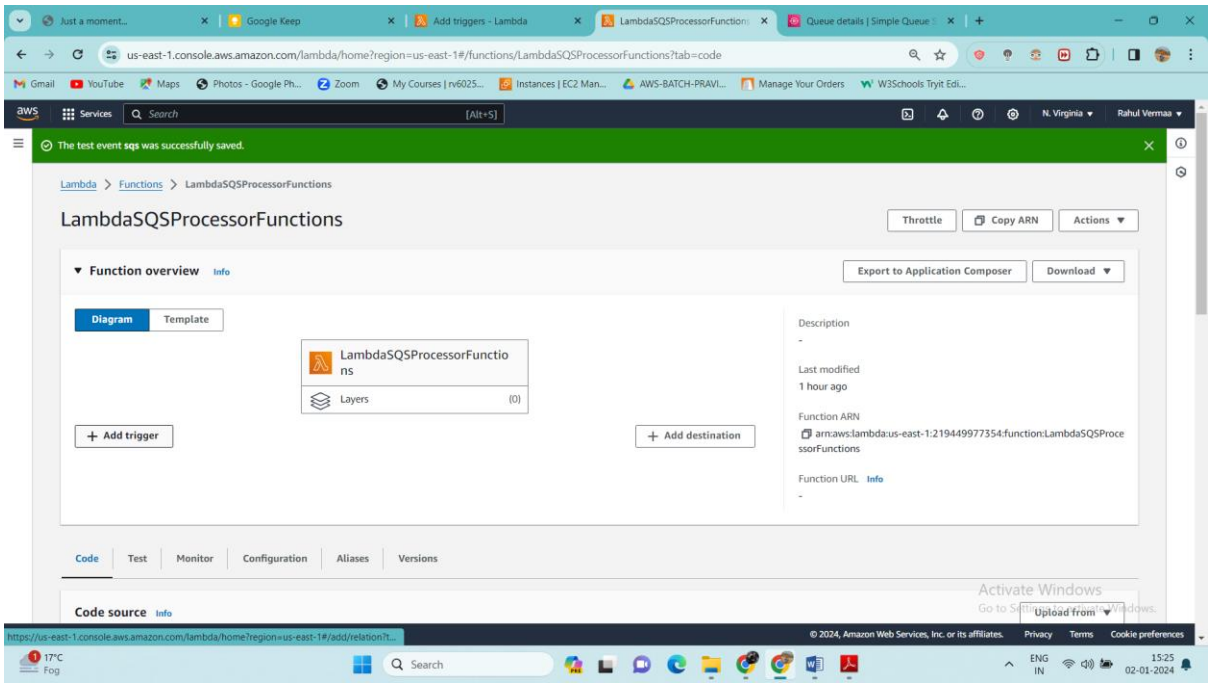


Our SQS is created

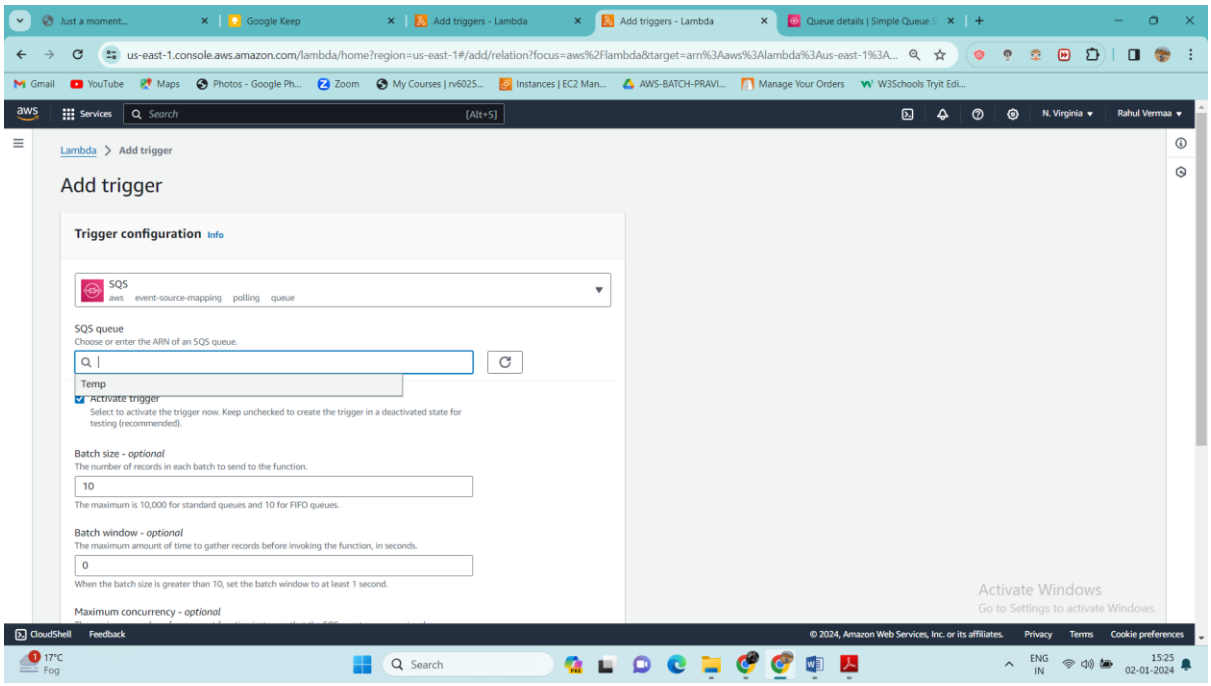




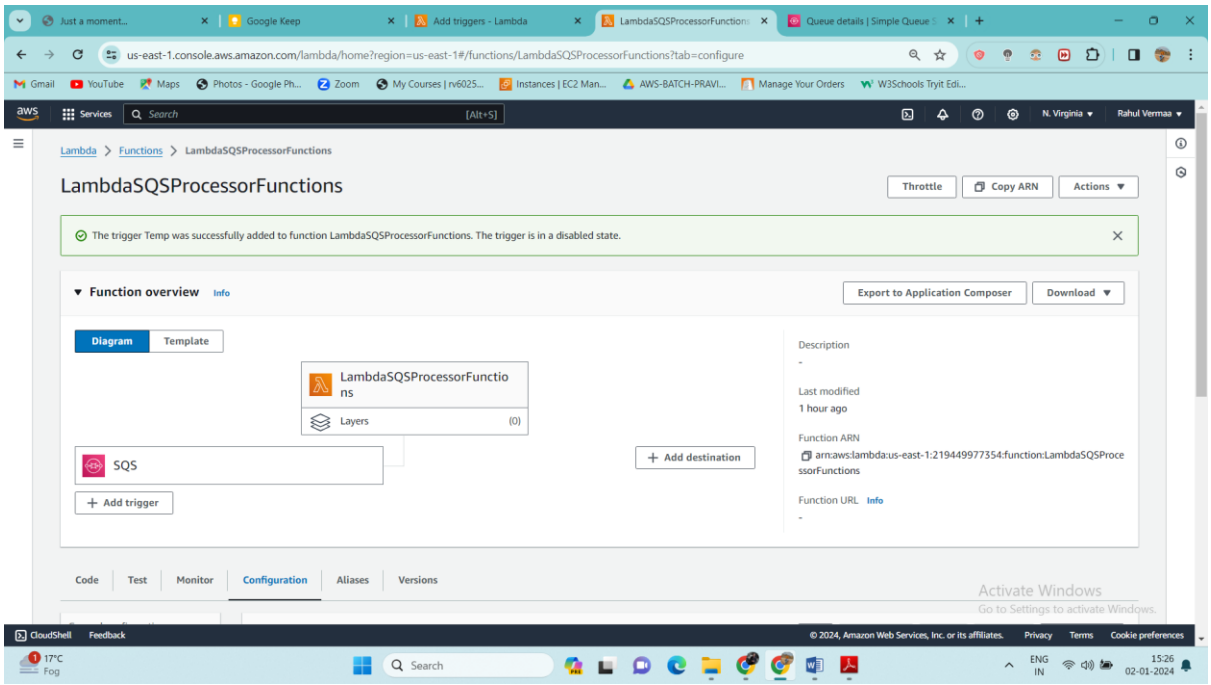
Now we have to add this SQS with our lambda, we just go to lambda function and click it on add trigger option and select our SQS- Temp



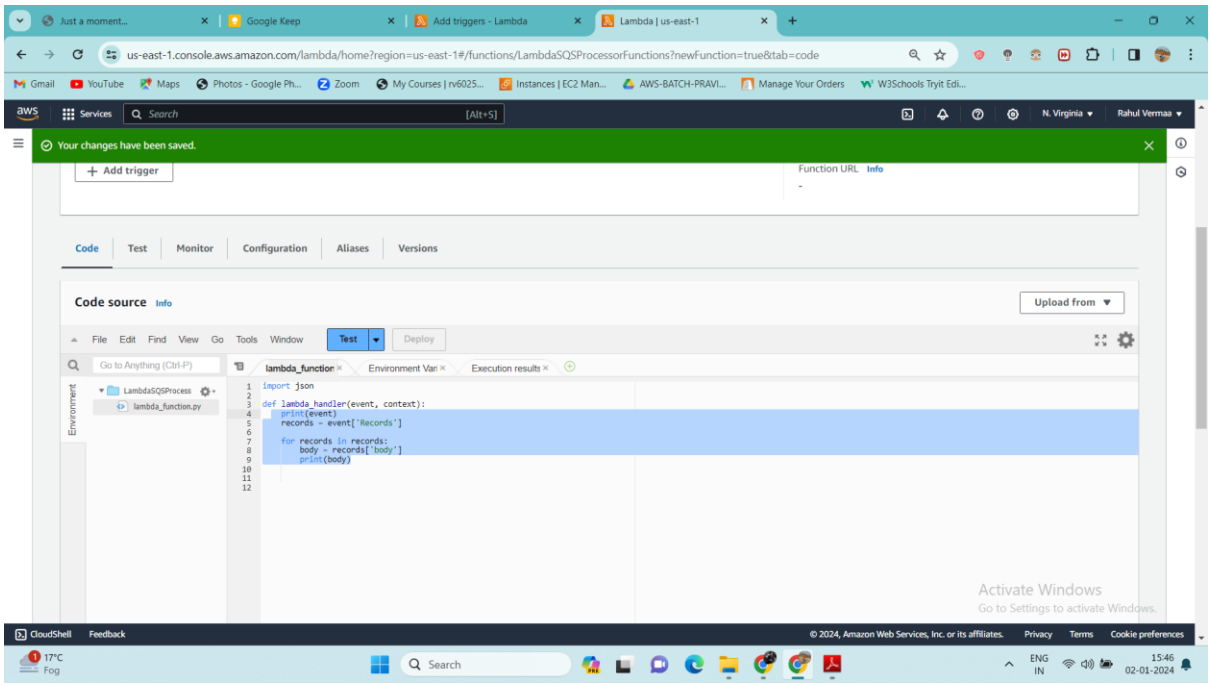
Select your SQS, We have disabled trigger as of now



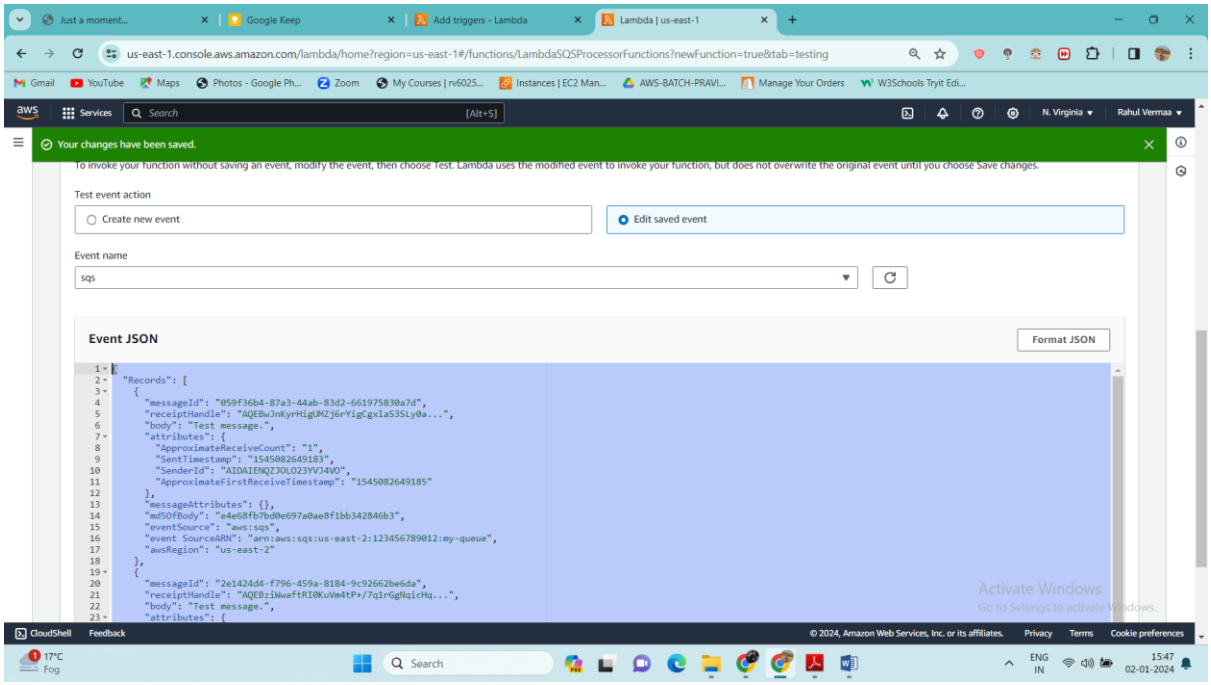
And it’s done



Now we have to edit code



Now we have to create one test event and test it

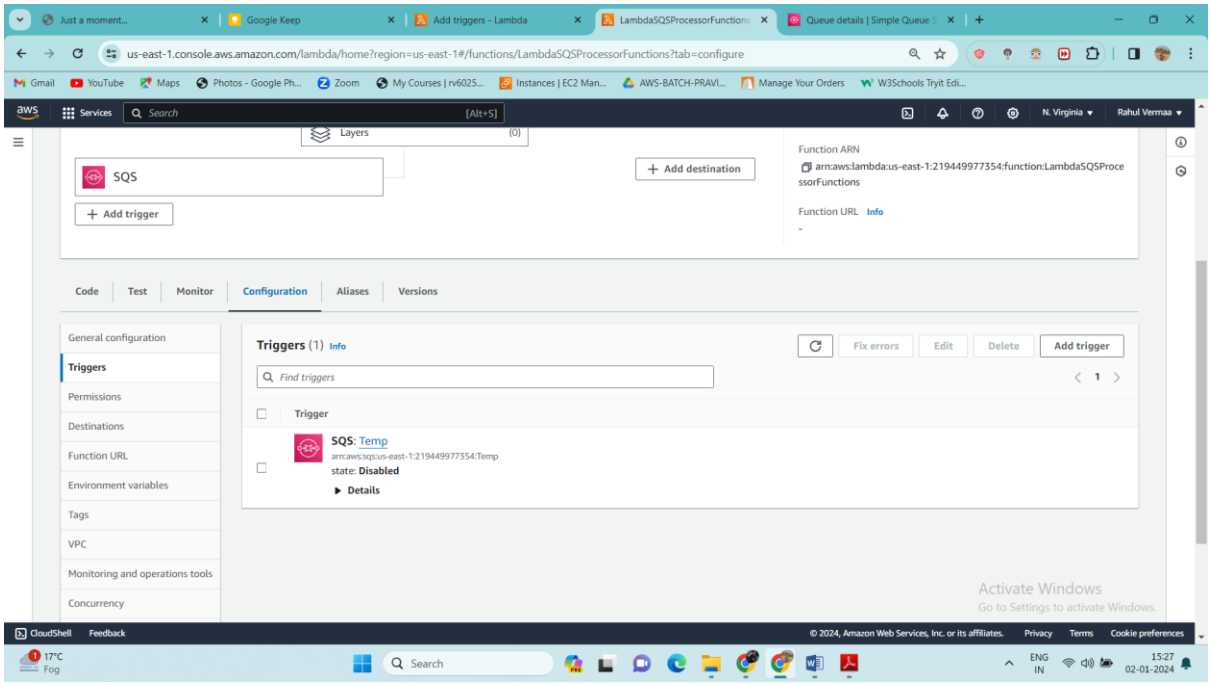


We can get this from aws documentation:

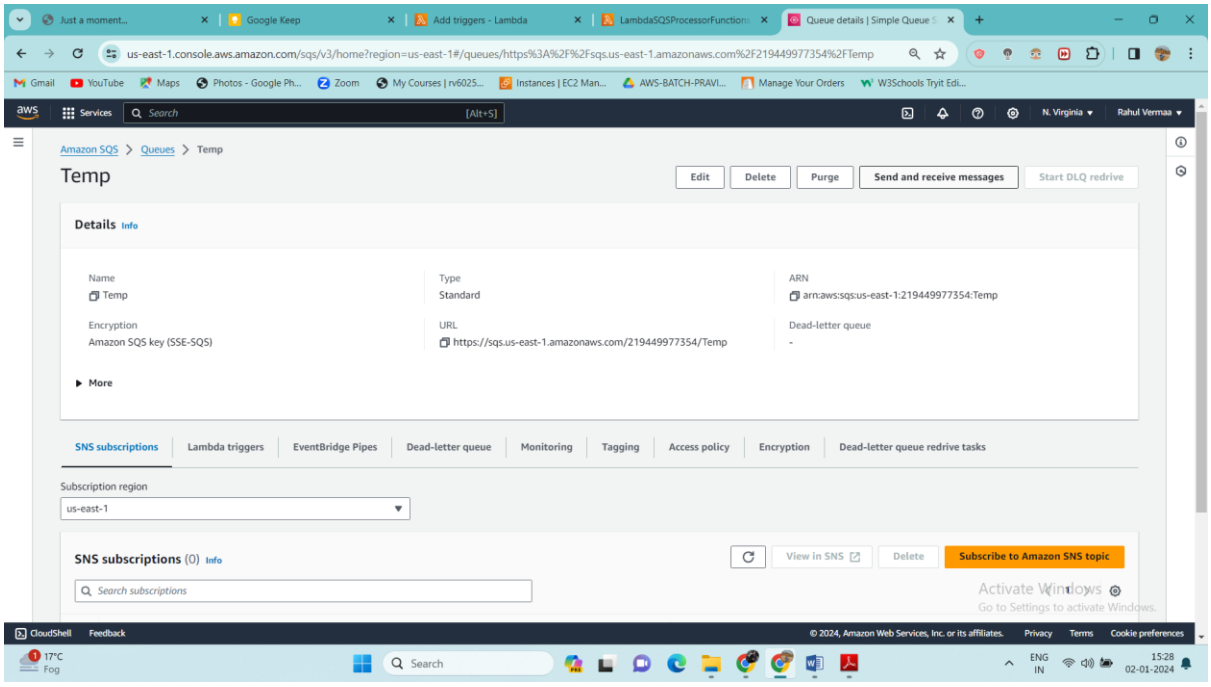

```
{
  "Records": [
    {
      "messageId": "059f36b4-87a3-44ab-83d2-661975830a7d",
      "receiptHandle": "AQEBwJnKyrHigUMZj6rYigCgxlaS3SLy0a...",
      "body": "Test message.",
      "attributes": {
        "ApproximateReceiveCount": "1",
        "SentTimestamp": "1545082649183",
        "SenderId": "AIDAIENQZJOLO23YVJ4VO",
        "ApproximateFirstReceiveTimestamp": "1545082649185"
      },
      "messageAttributes": {},
      "md5OfBody": "e4e68fb7bd0e697a0ae8f1bb342846b3",
      "eventSource": "aws:sqs",
      "event SourceARN": "arn:aws:sqs:us-east-2:123456789012:my-queue",
      "awsRegion": "us-east-2"
    },
```

```
  {
    "messageId": "2e1424d4-f796-459a-8184-
9c92662be6da",
    "receiptHandle":
"AQEBziWwaftRI0KuVm4tP+/7q1rGgNqicHq...",
    "body": "Test message.",
    "attributes": {
      "ApproximateReceiveCount": "1",
      "SentTimestamp": "1545082650636",
      "SenderId": "AIDAIENQZJOLO23YV34VO",
      "ApproximateFirstReceiveTimestamp":
"1545082650649"
    },
    "messageAttributes": {},
    "md5OfBody": "e4e68fb7bd0e697a0ae8f1bb342846b3",
    "eventSource": "aws:sqs",
    "eventSourceARN": "arn:aws:sqs:us-east-
2:123456789012:my-queue",
    "awsRegion": "us-east-2"
  }
 ]
}
```

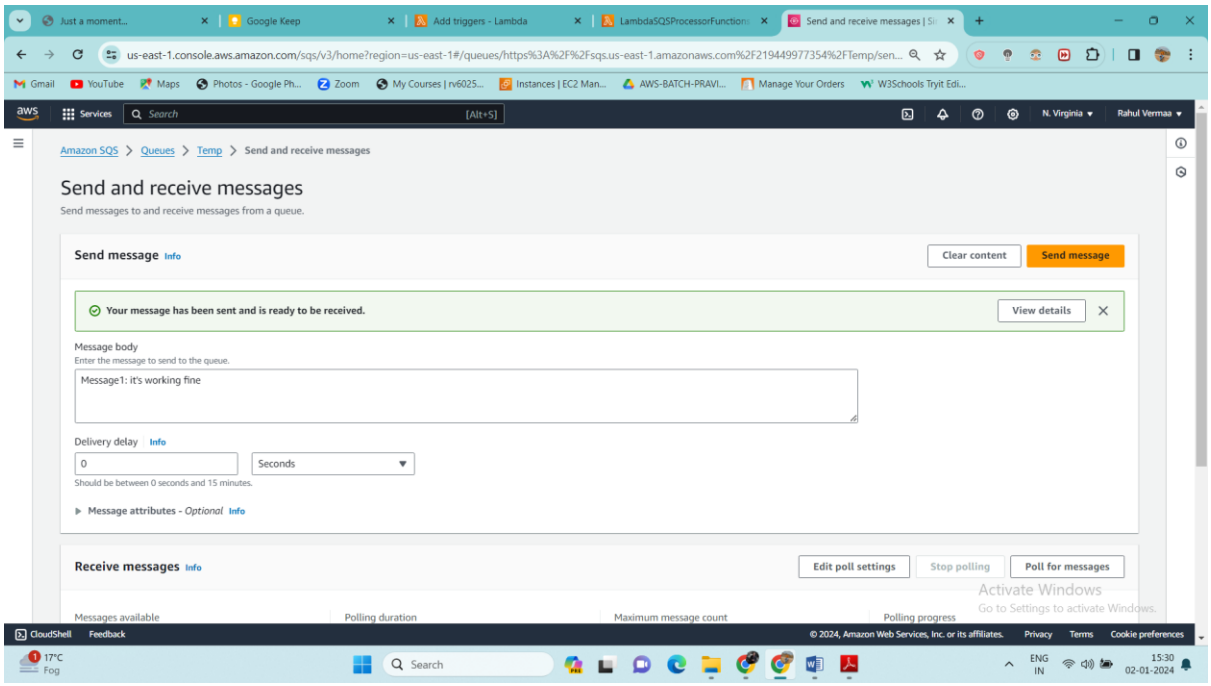
Our trigger is disabled now as you can see



Now go to SQS and send some messages

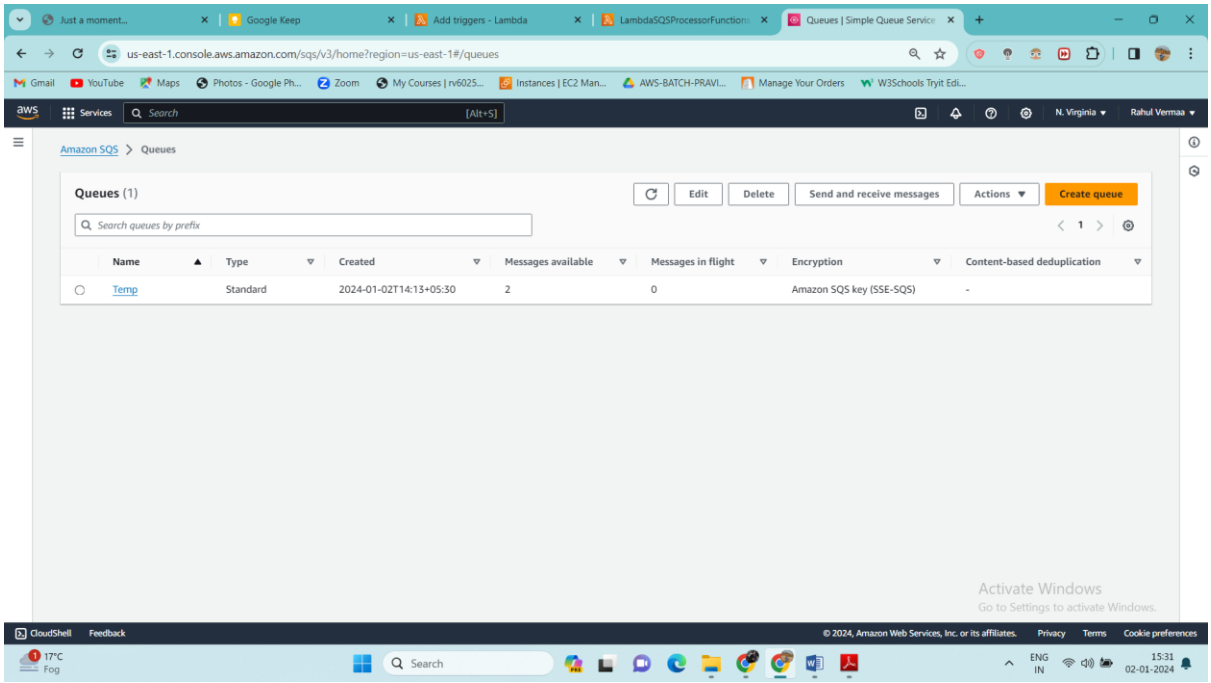


First message

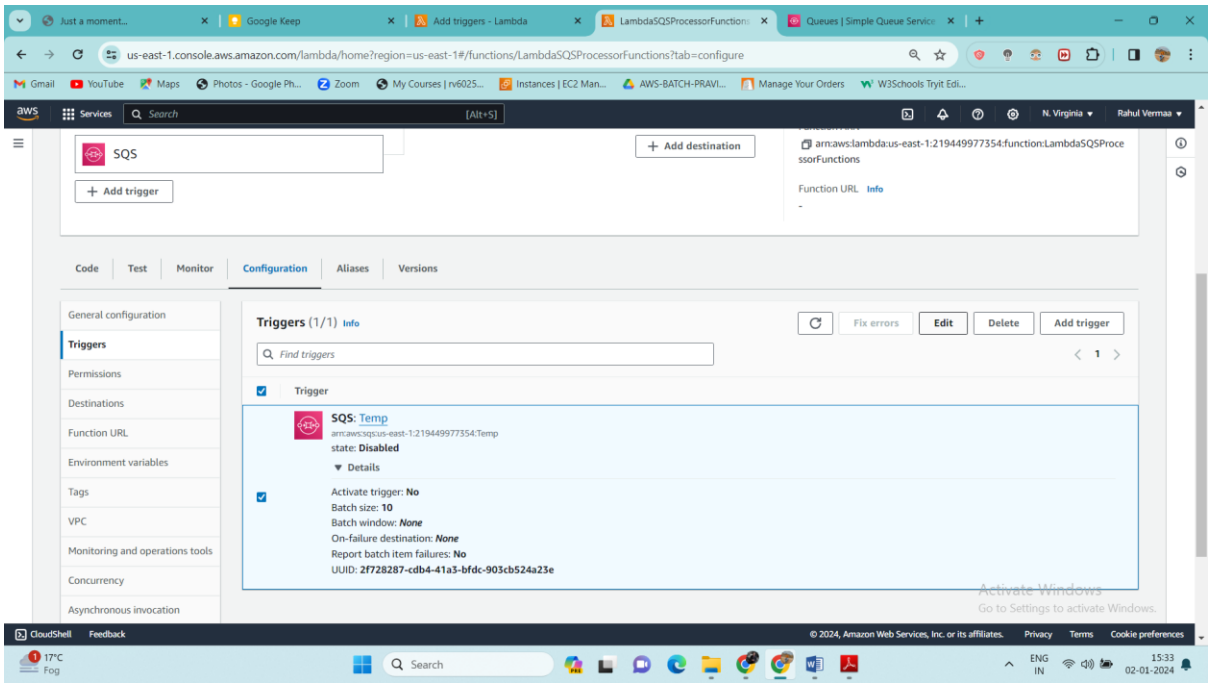


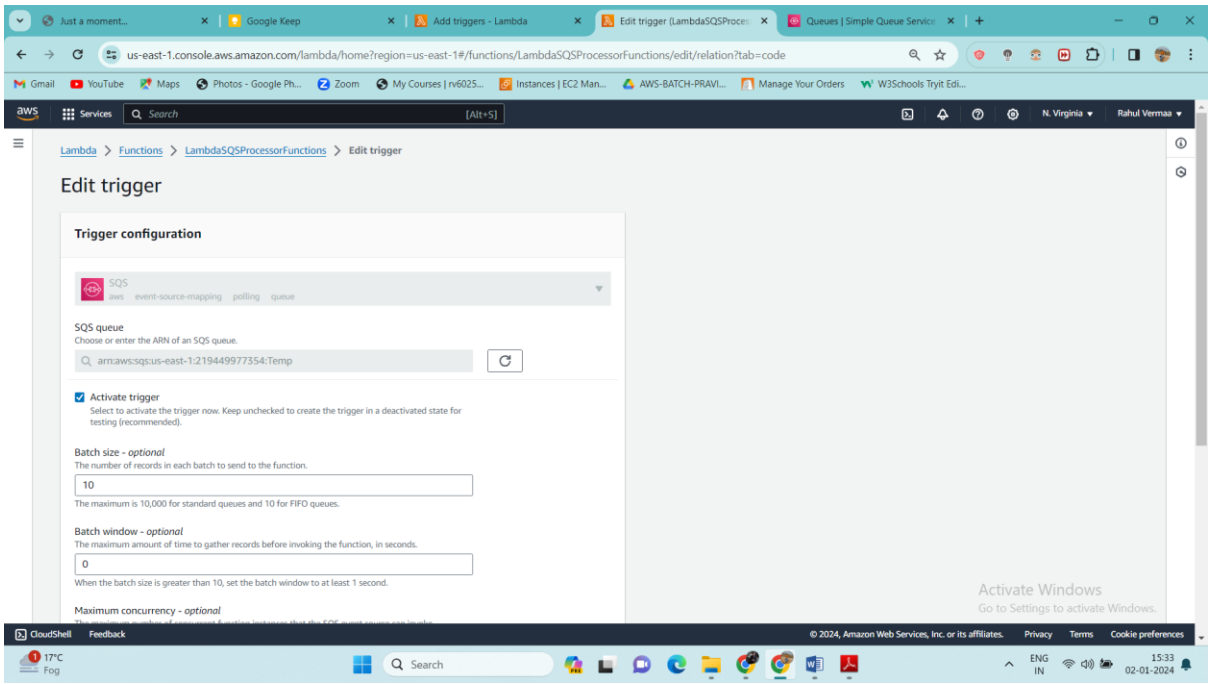
Second message- Message2 finally it's done

And after that go and check queue (it's showing message available 2)

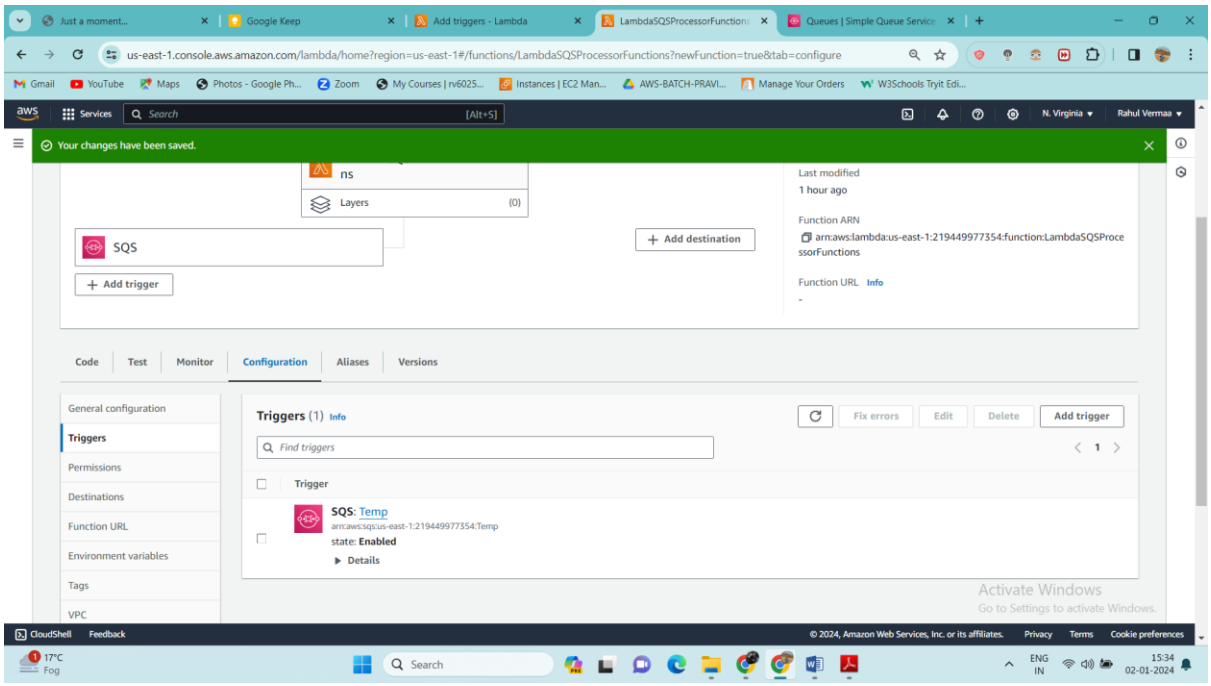


Now we will enable our SQS trigger

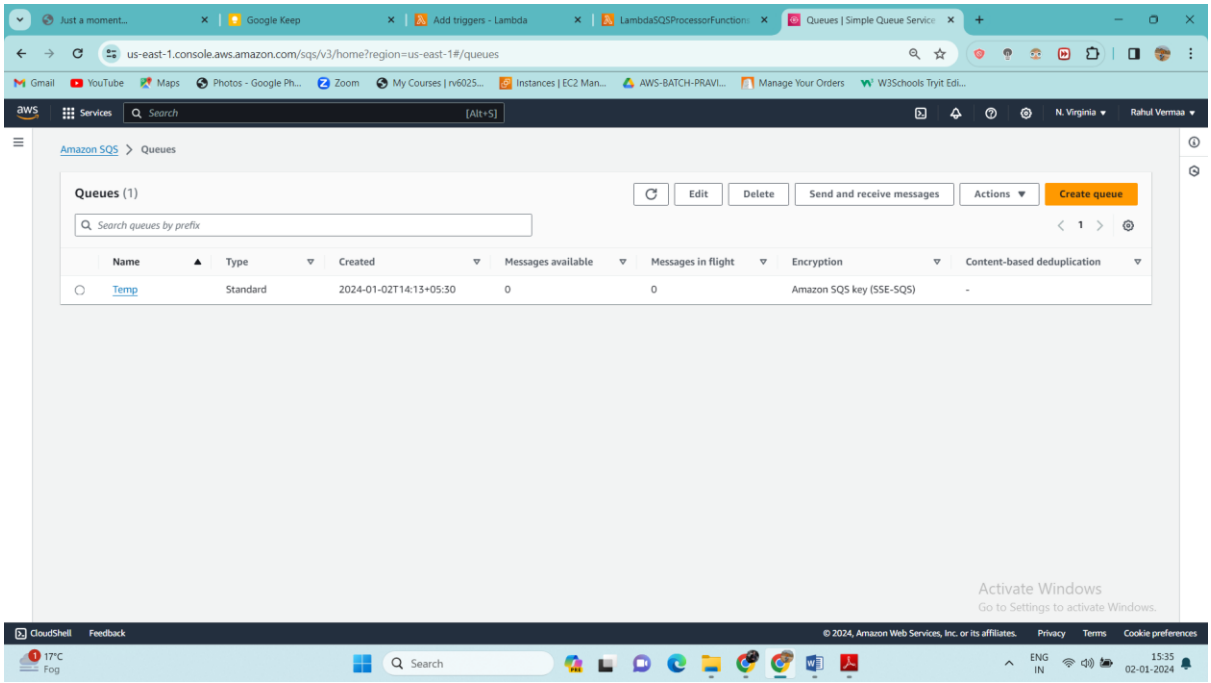




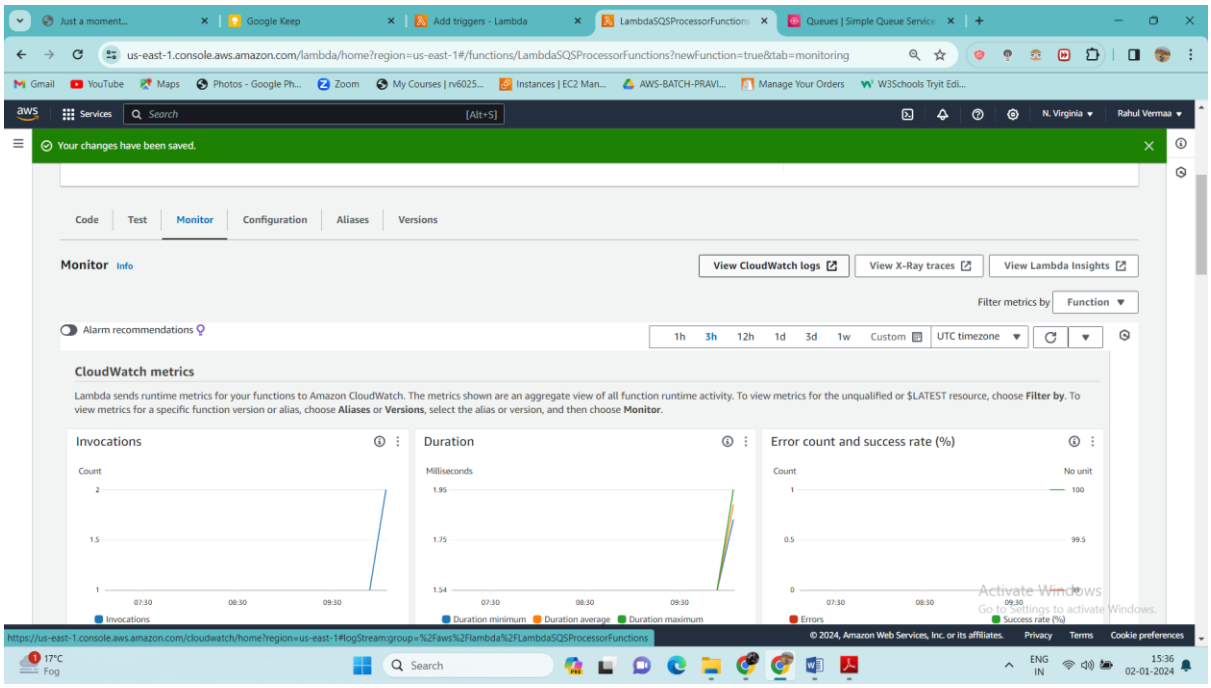
And it’s done



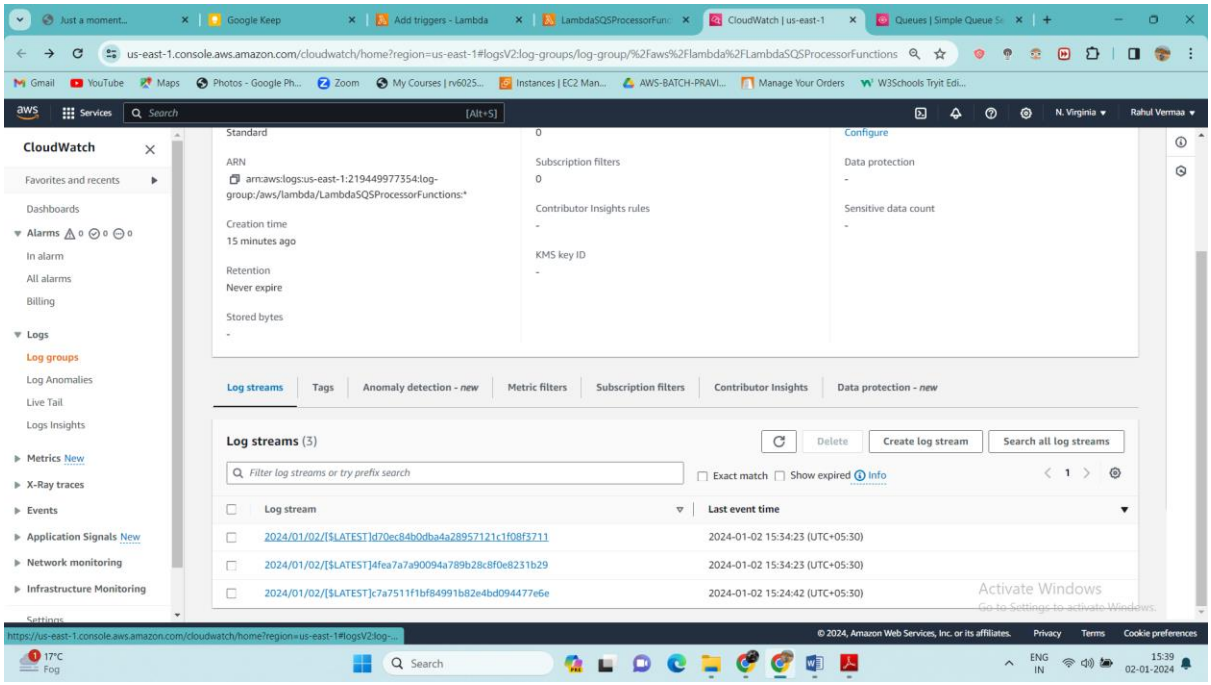
Now let’s check our queue. As we can see something pulled out those messages.



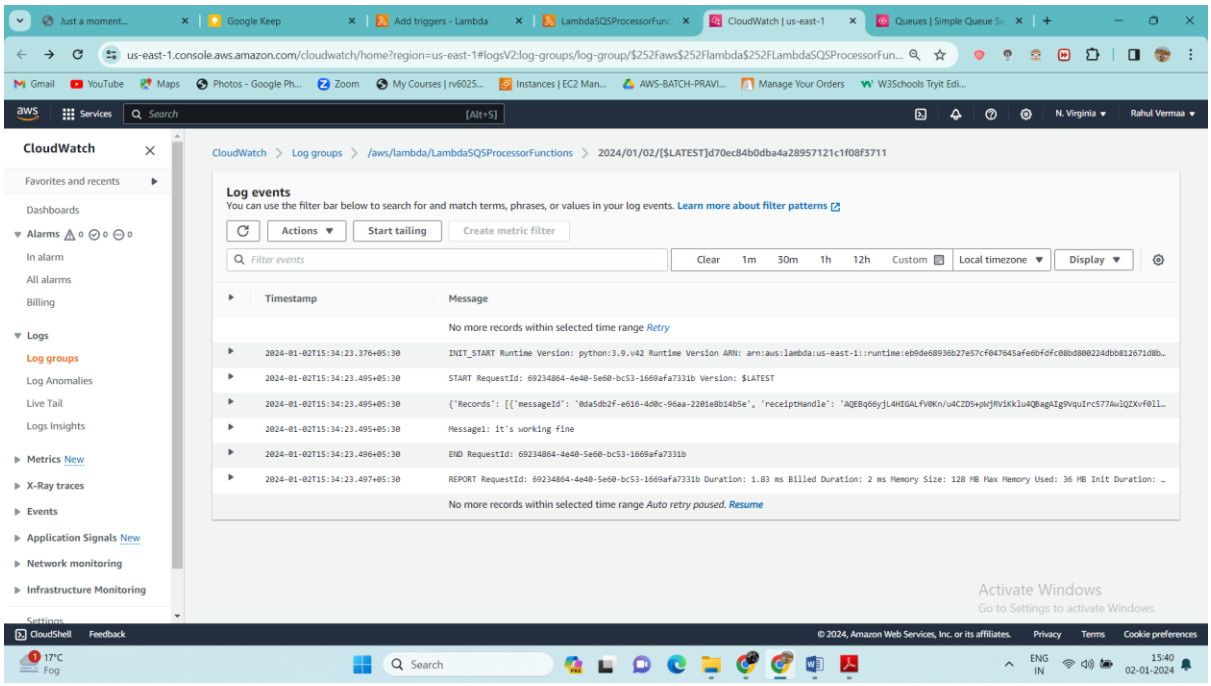
Let’s check in our lambda function now. Got to monitor- and click it on view CloudWatch logs

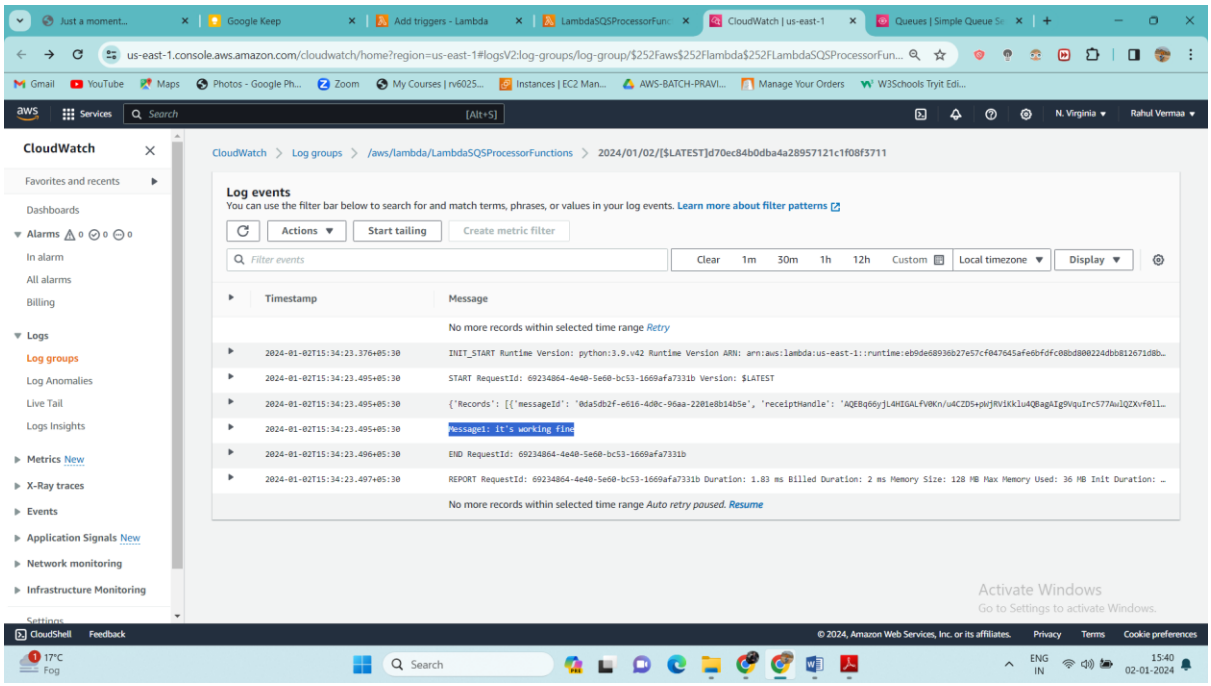


And we just click it on first one



And we can see our message 1 is there





Message 2 also there