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Course: Executive Post Graduate Certification in Cloud Computing

Contact No. 7720003531

**Assignment 6 : Lambda & Beanstalk**

**A].Task to be performed:**

1. Create a sample Python Lambda function.

2. Set the Lambda Trigger as SQS and send a message to test invocation.

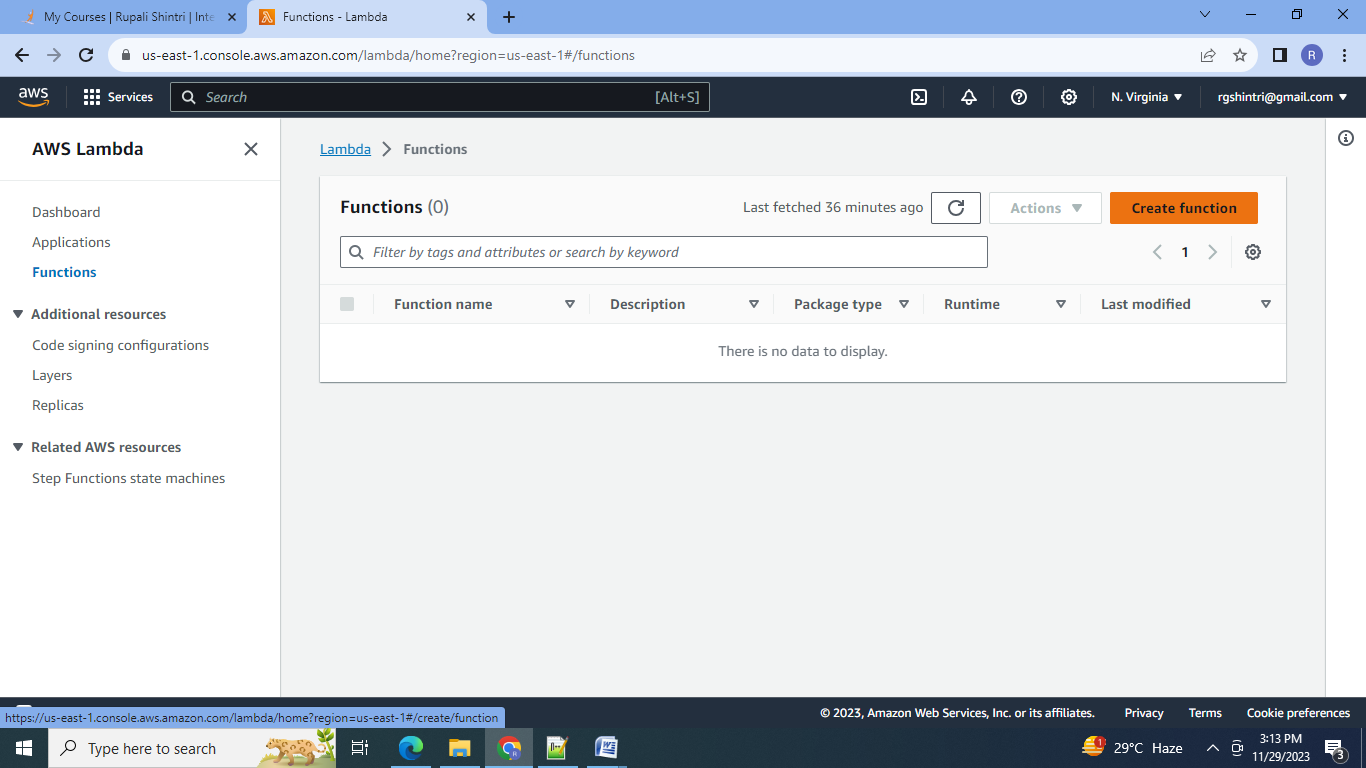
**B].Task to be performed:**

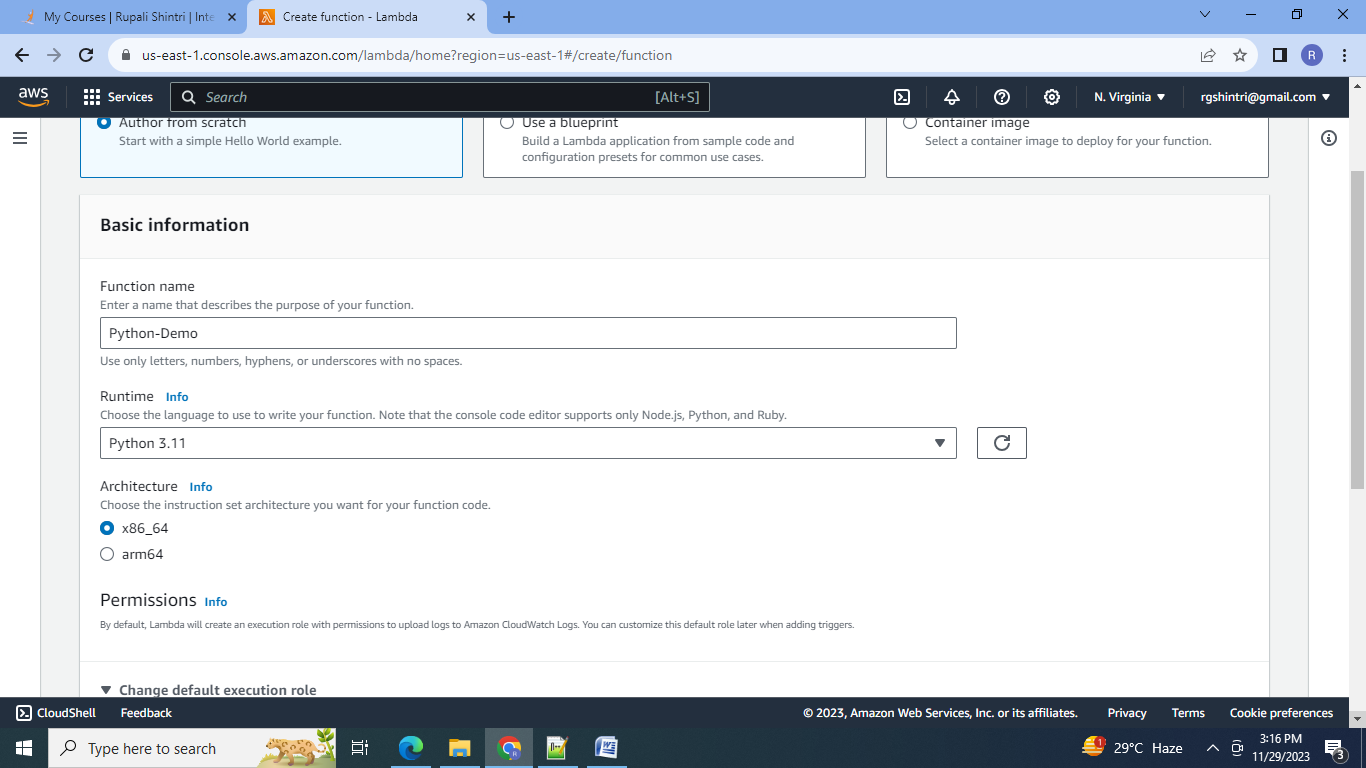
1. Create an Elastic Beanstalk environment with the runtime as PHP.

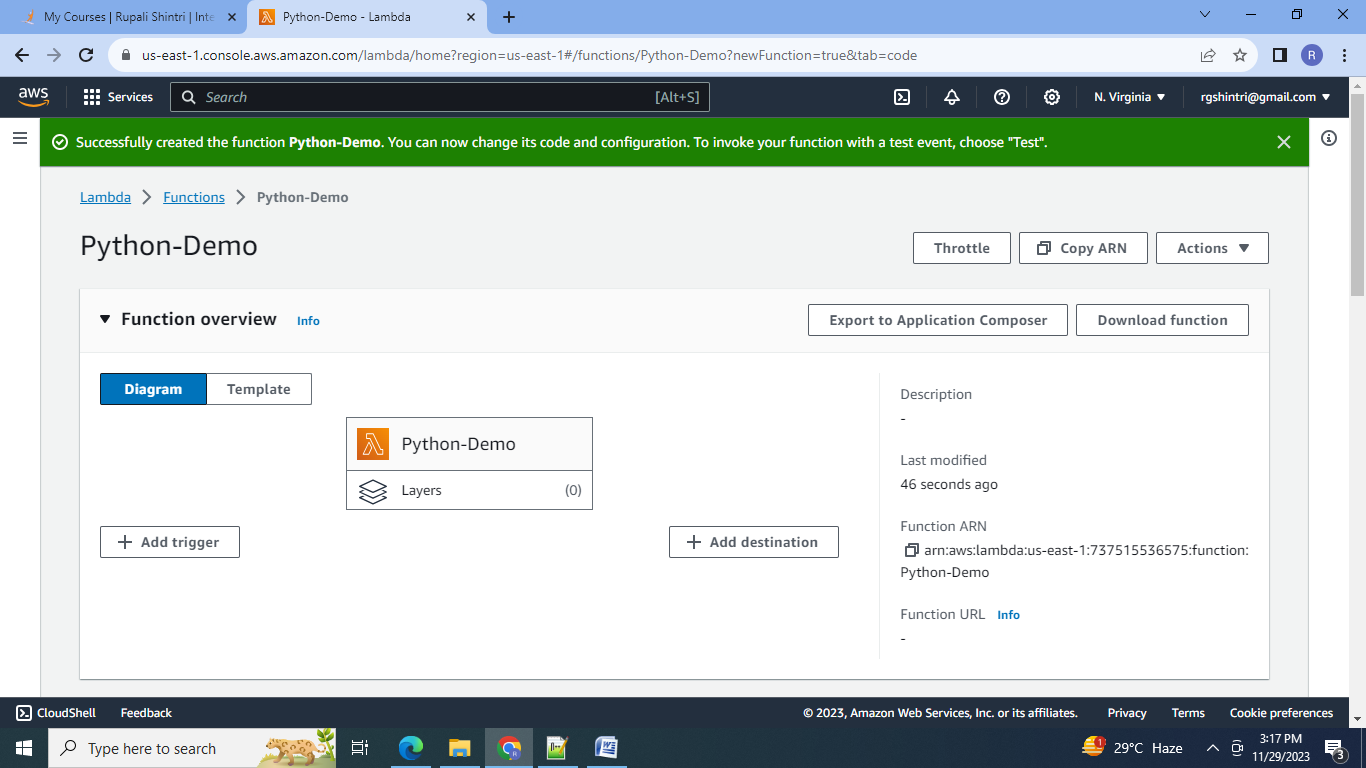
2. Upload a simple PHP file to the environment once created.

Steps:

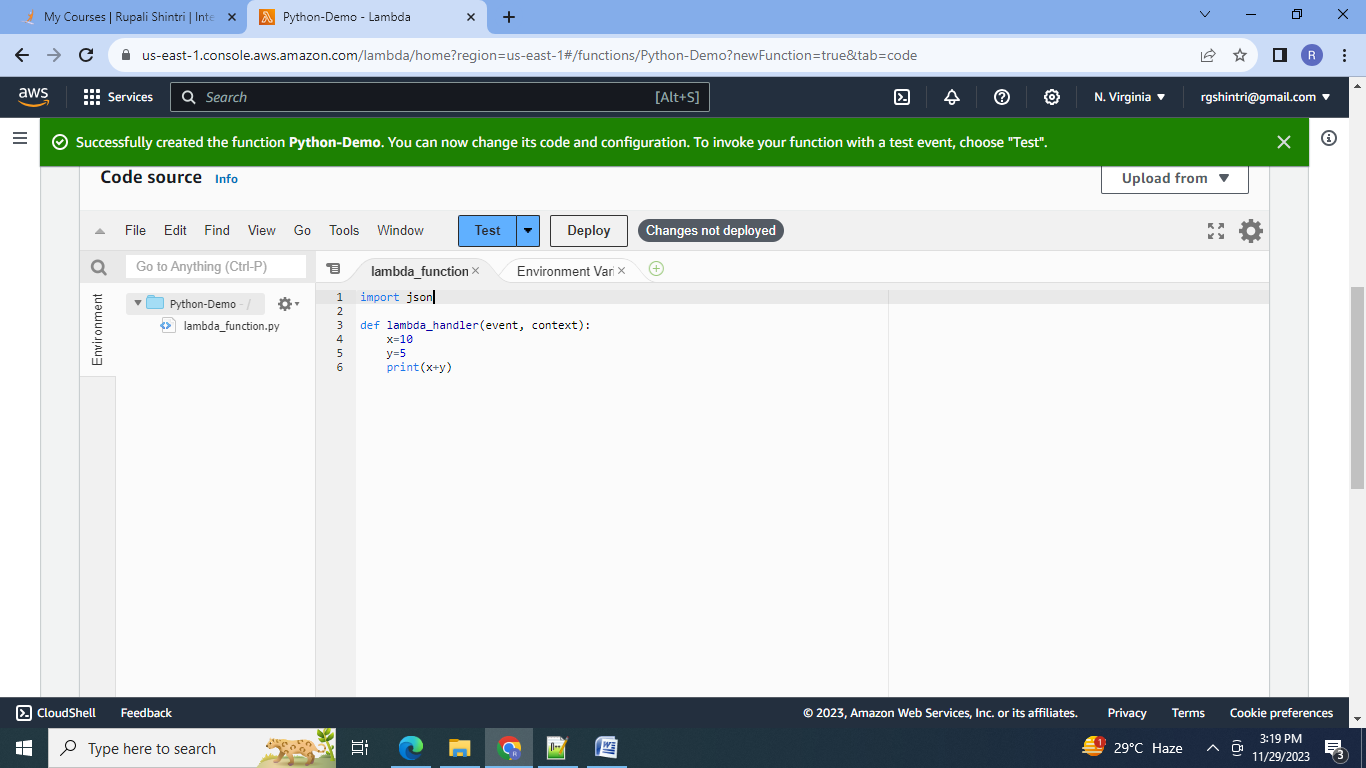
1.Create a lambda function with sample python code & test it .

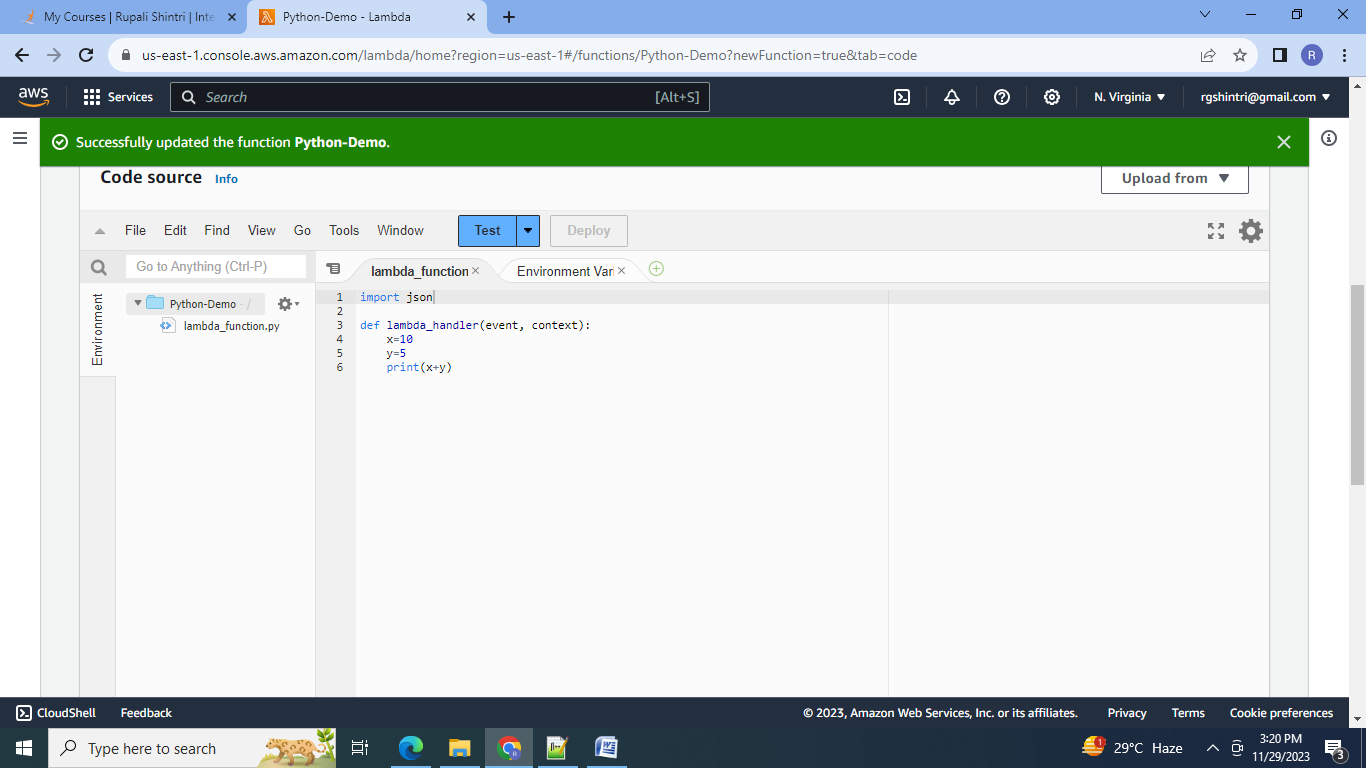
1. 



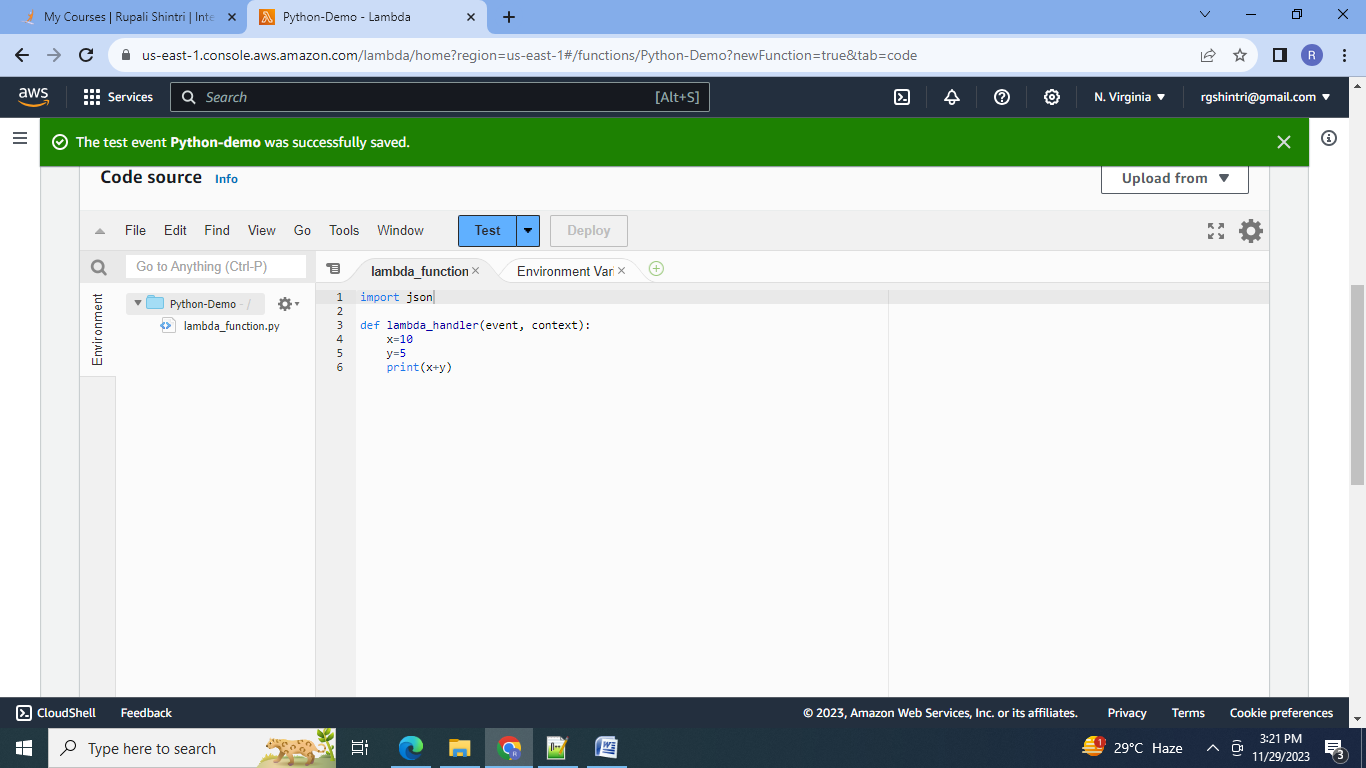


2.Test the simple addition python code:

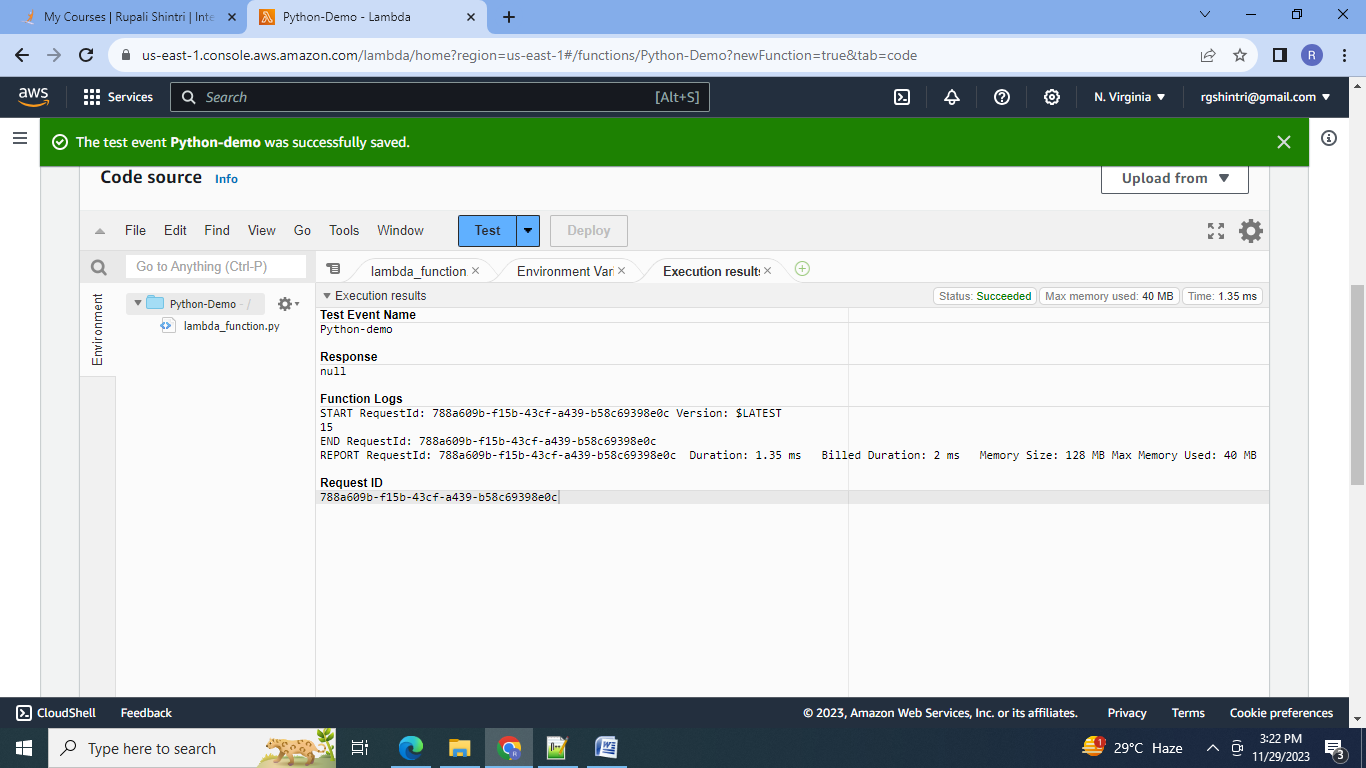




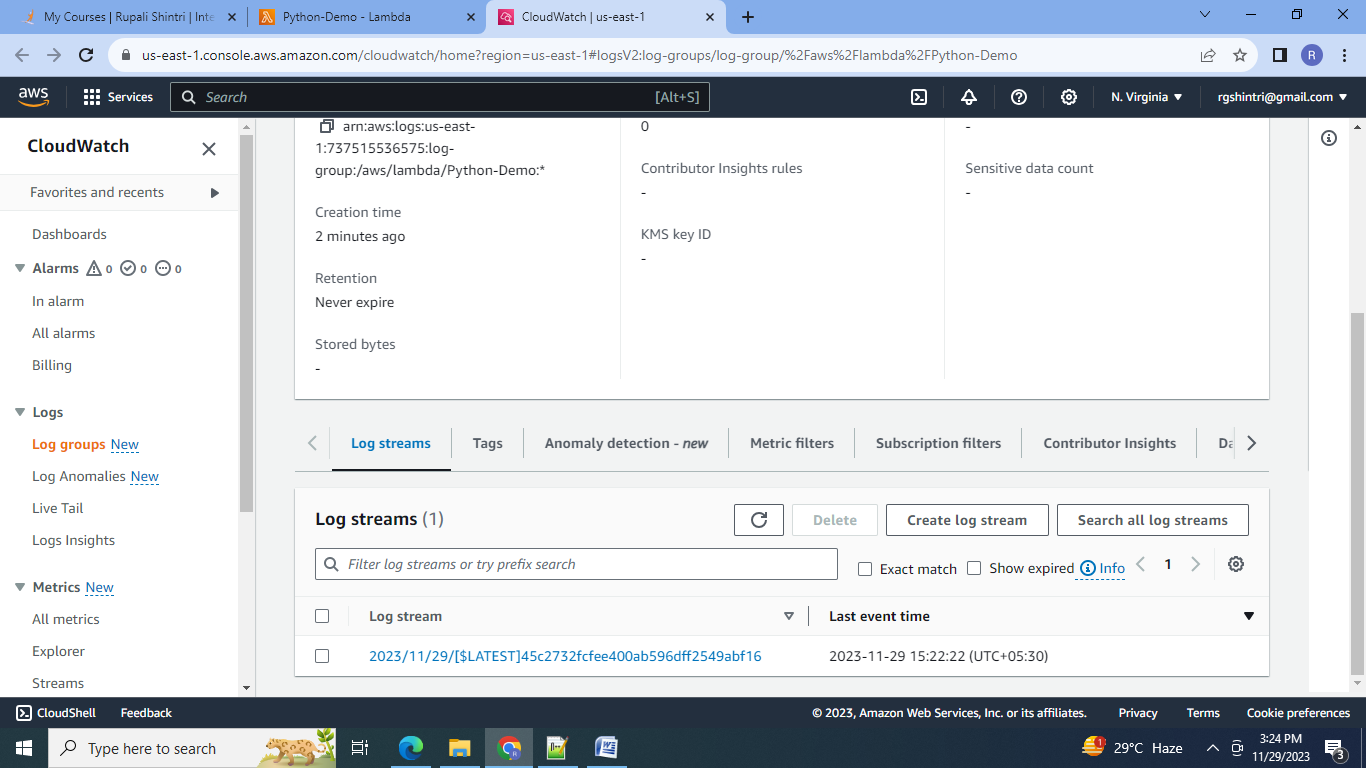
3. Create the test event:



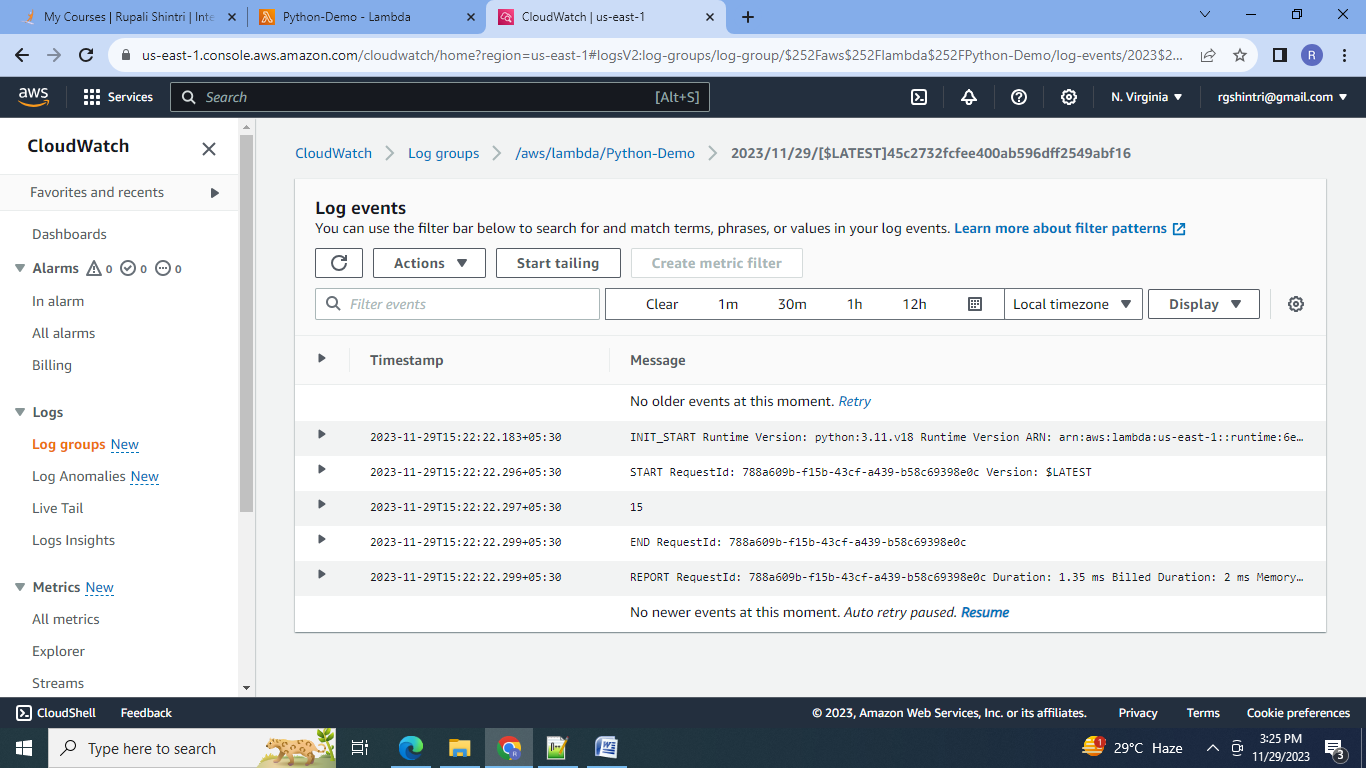
4.Test the code:



5.Monitor the log inside the cloudwatch:

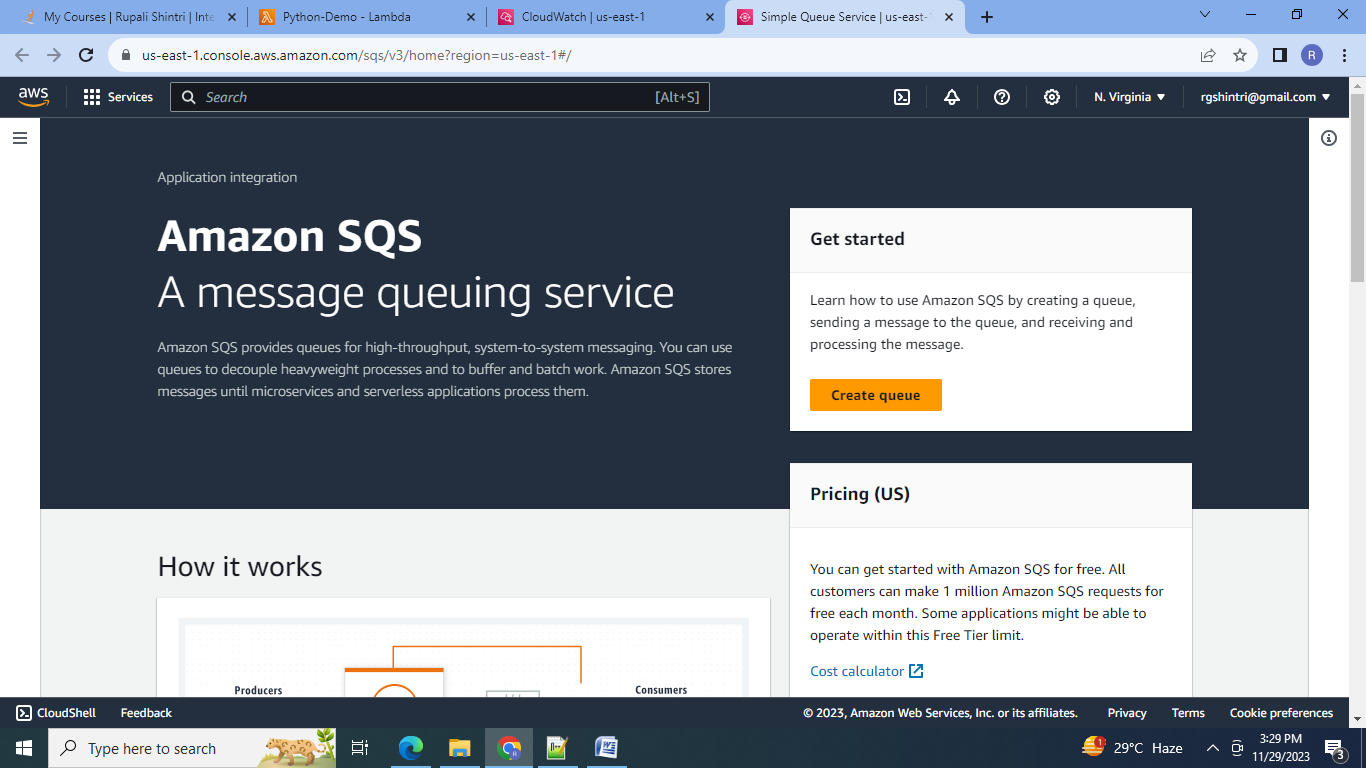


6.Log Stream:

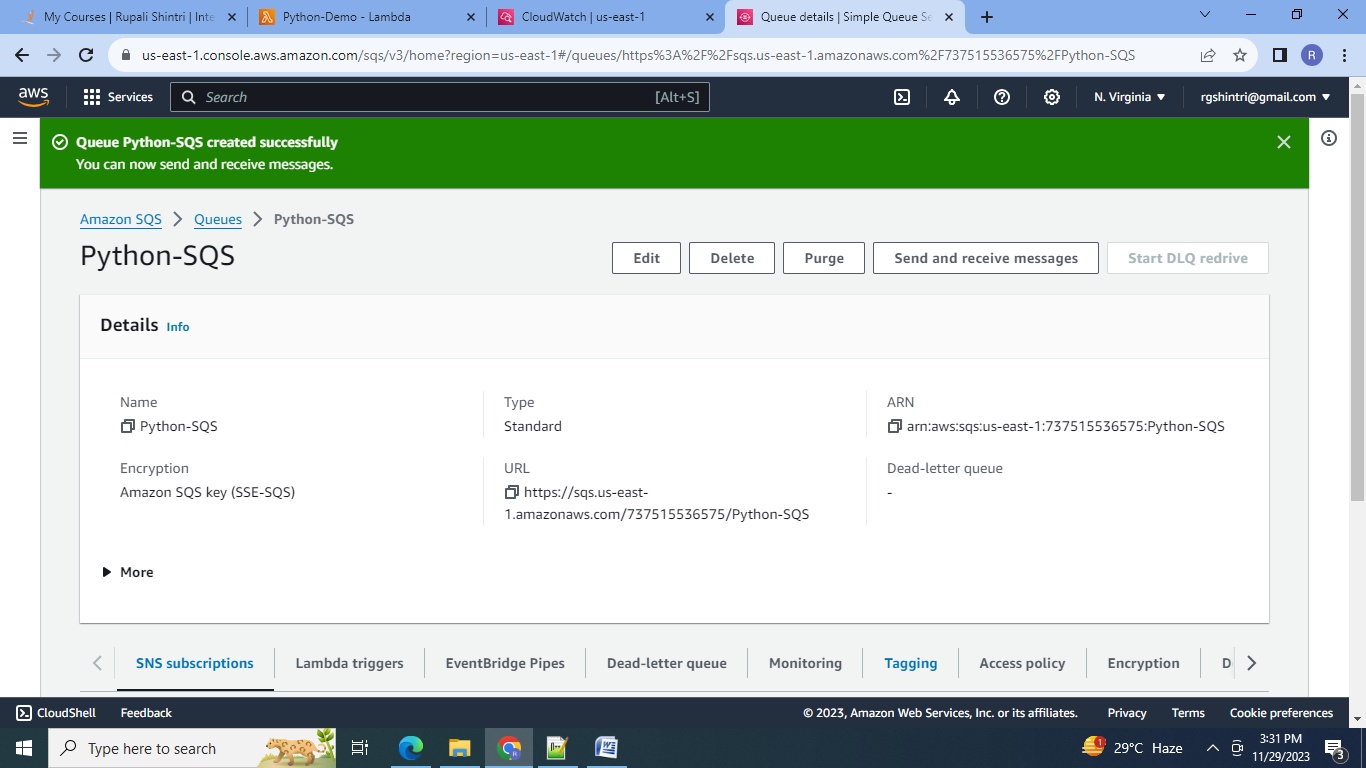


2.Set SQS as lambda trigger:

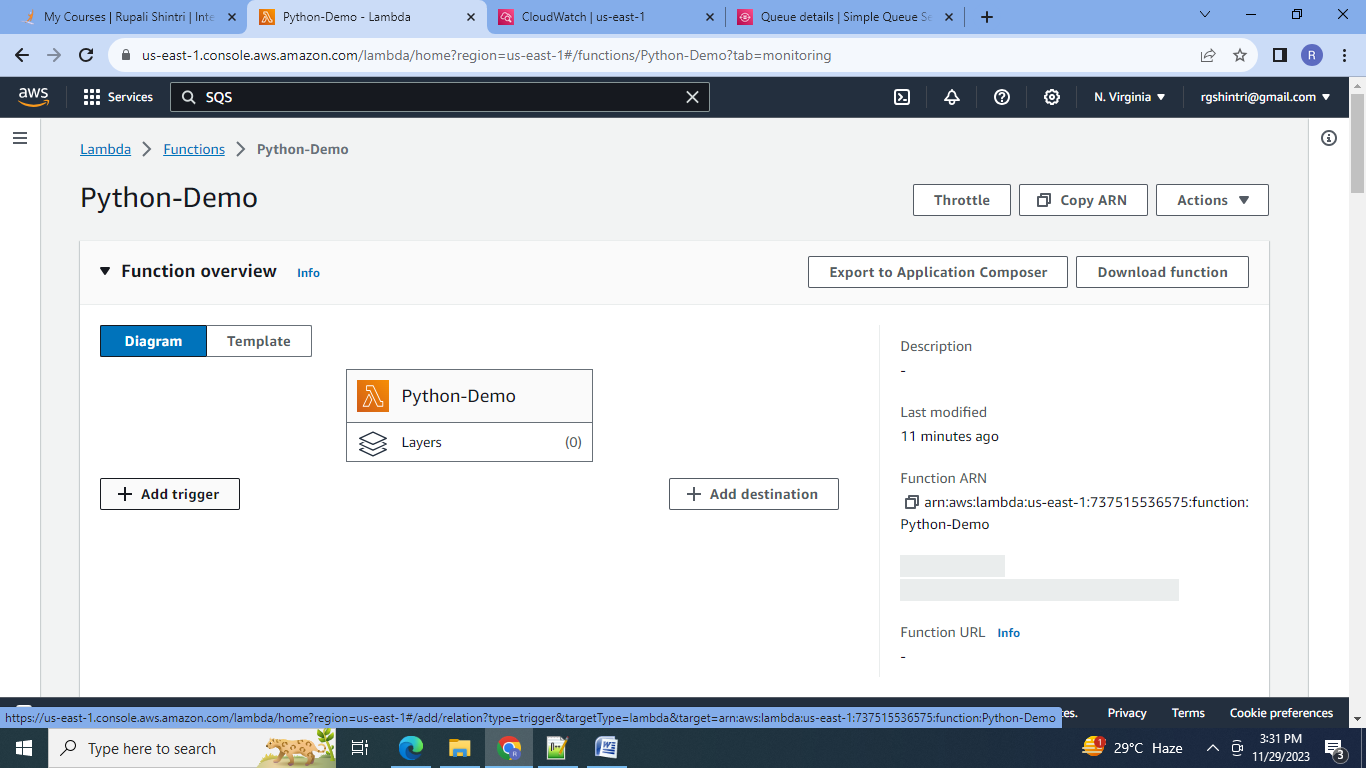
1. Create SQS:

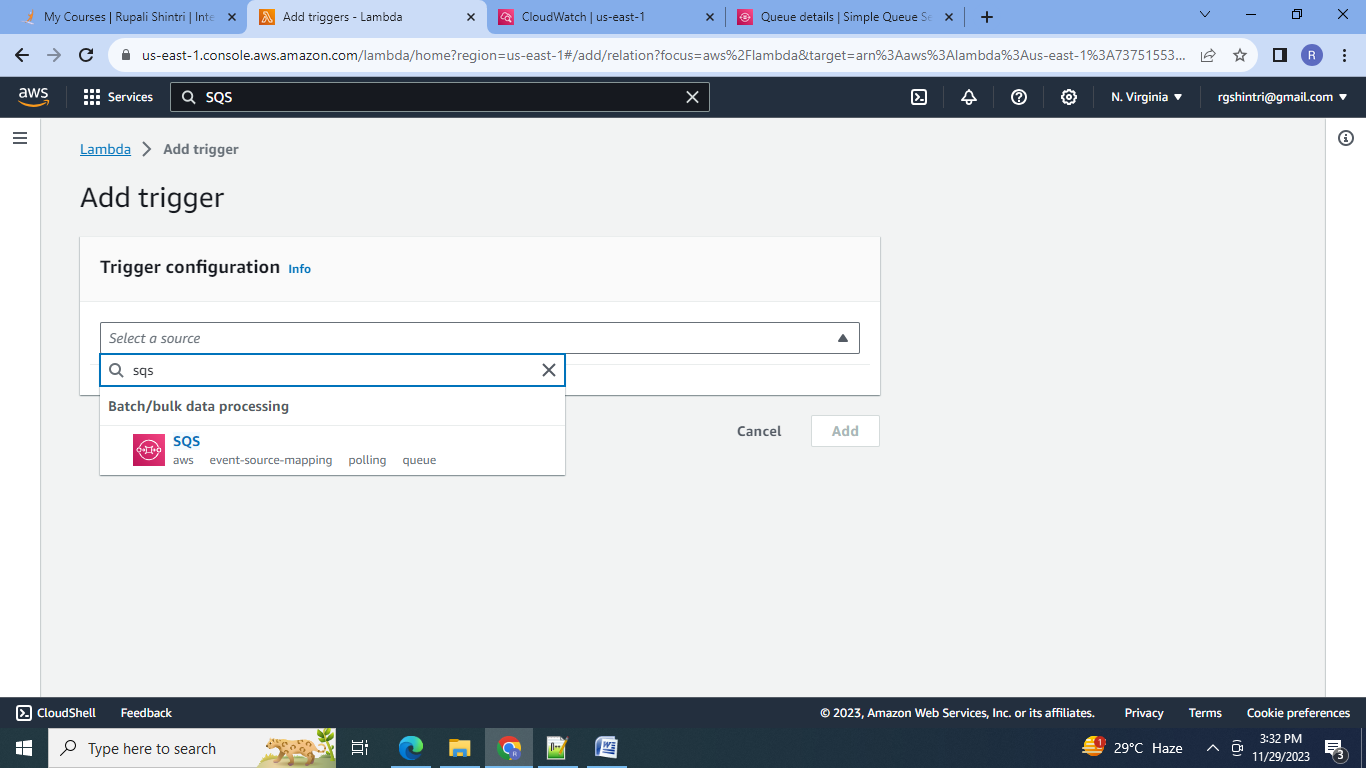


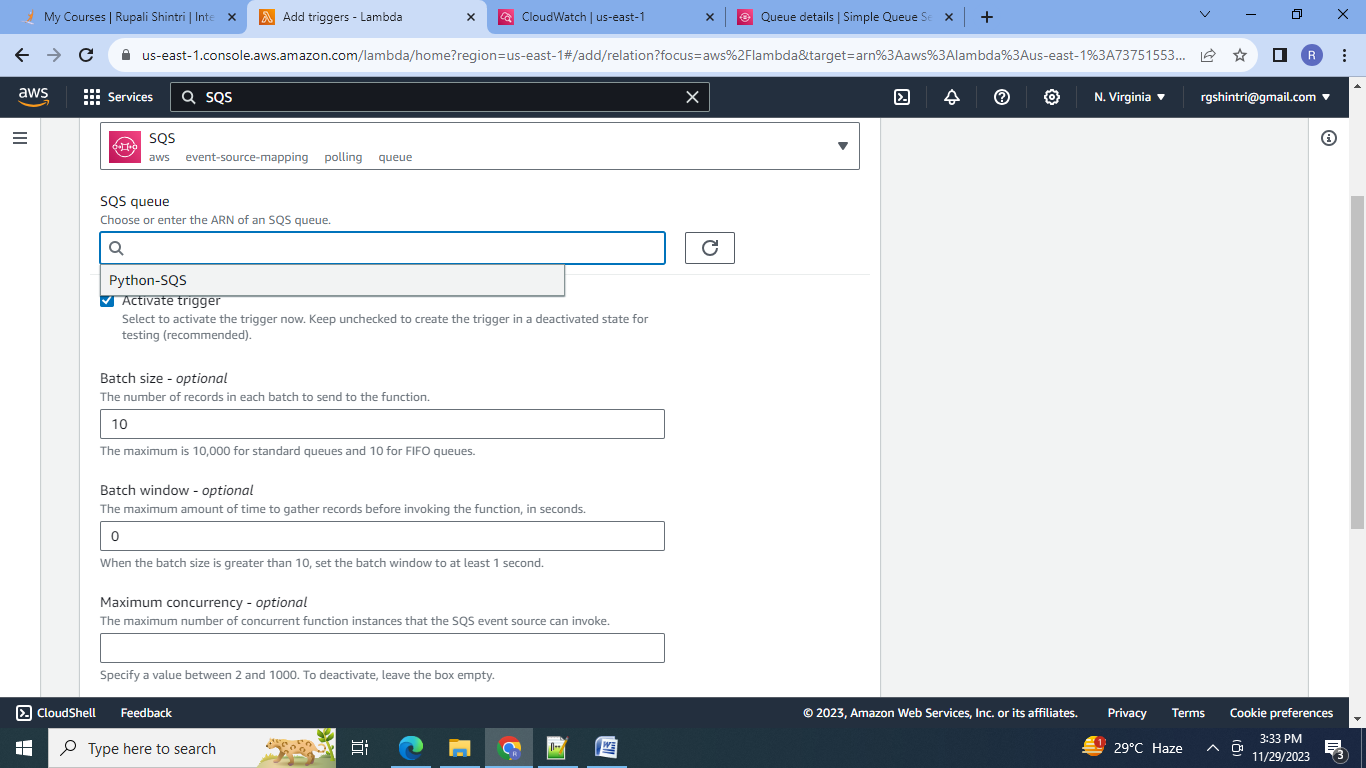
2.Create queue:

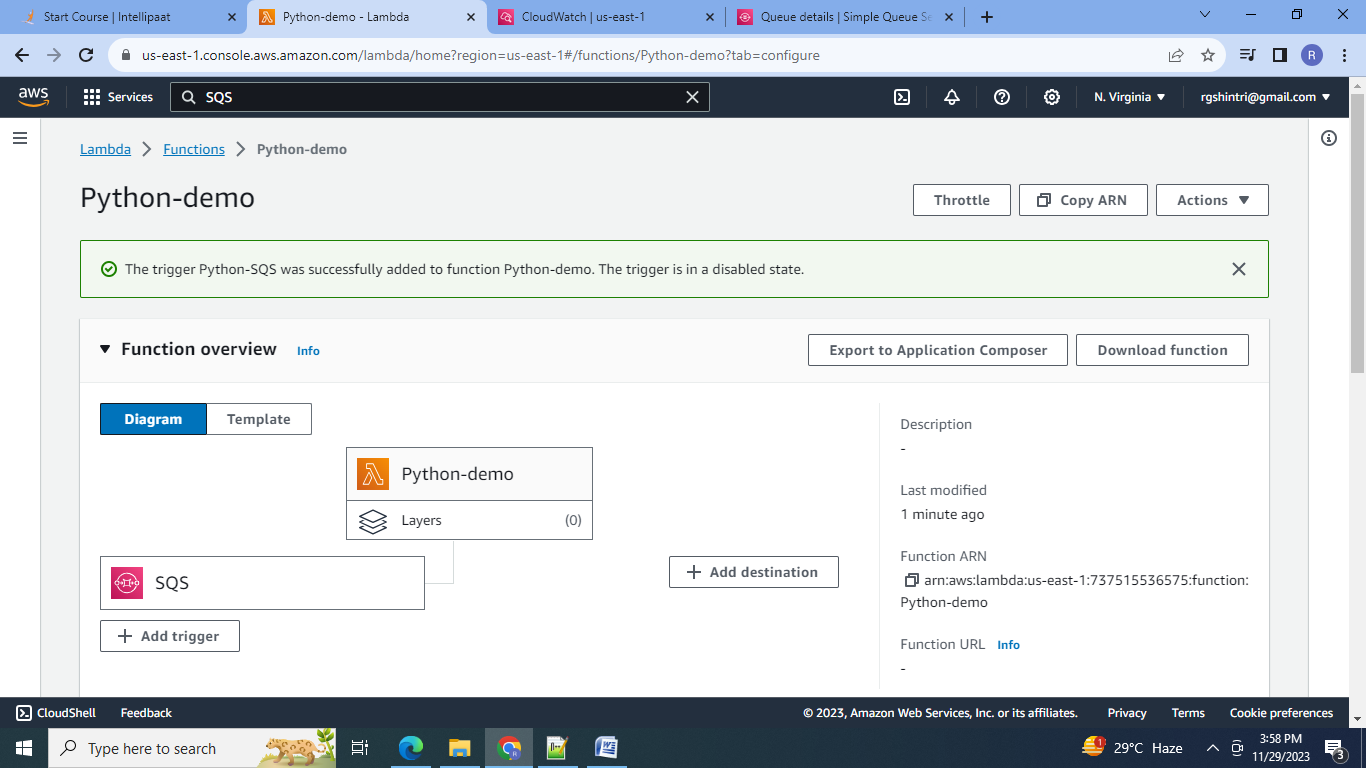


3.In lambda Add SQS trigger:

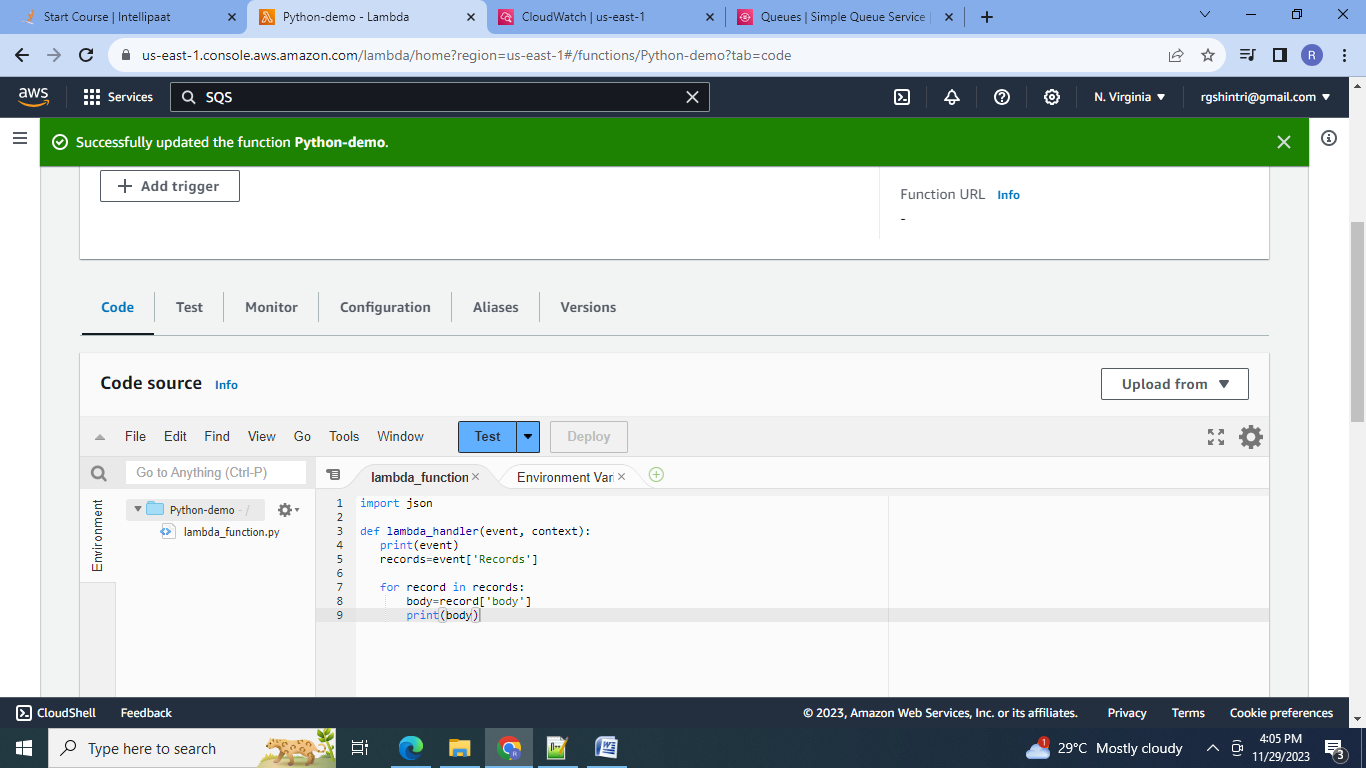




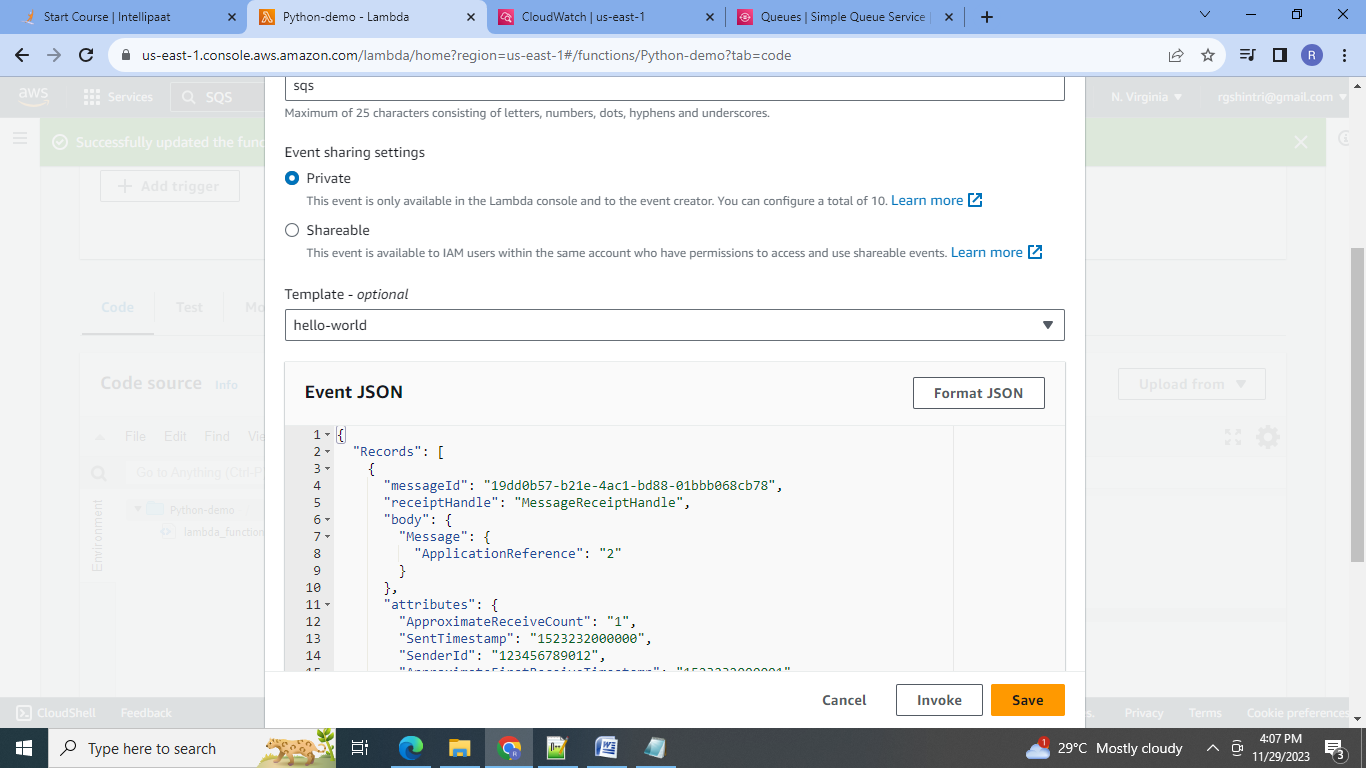




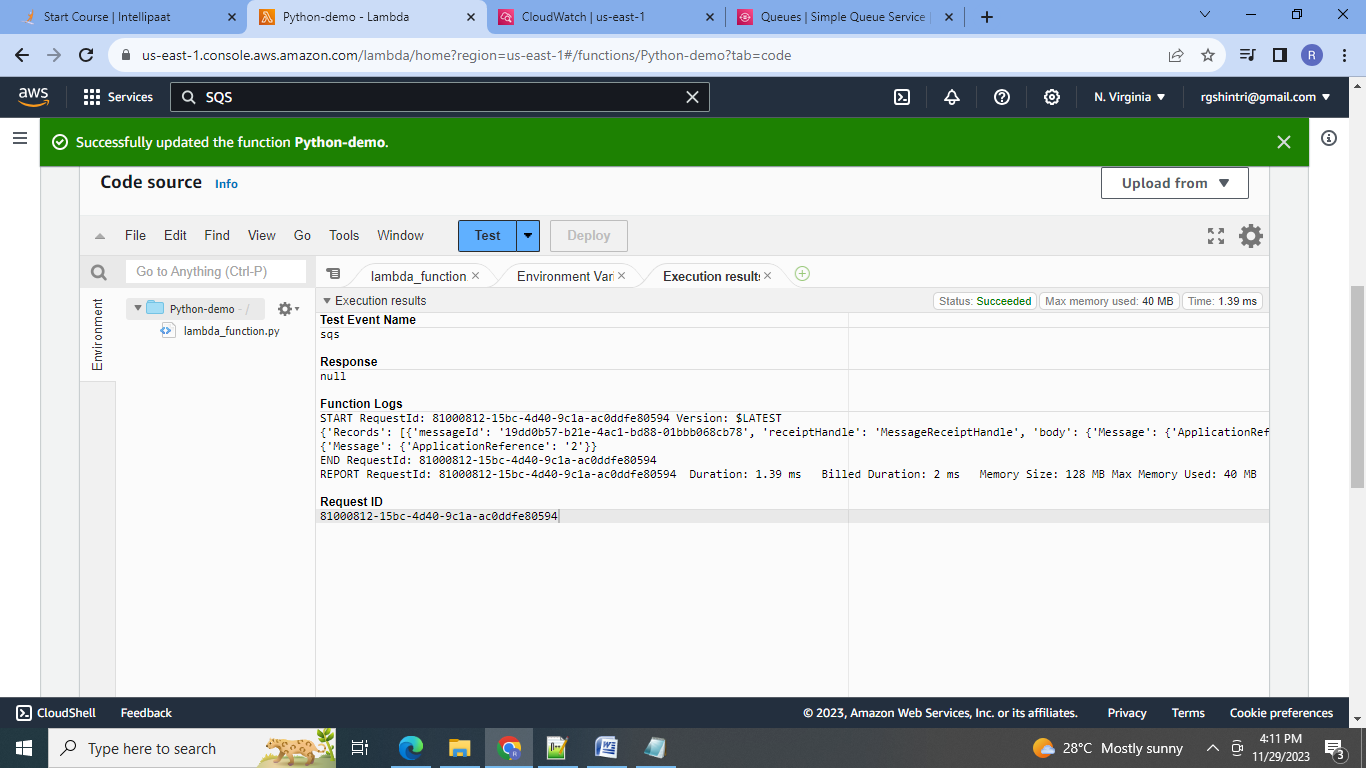
4. Change the function code to read the contents of the SQS message:



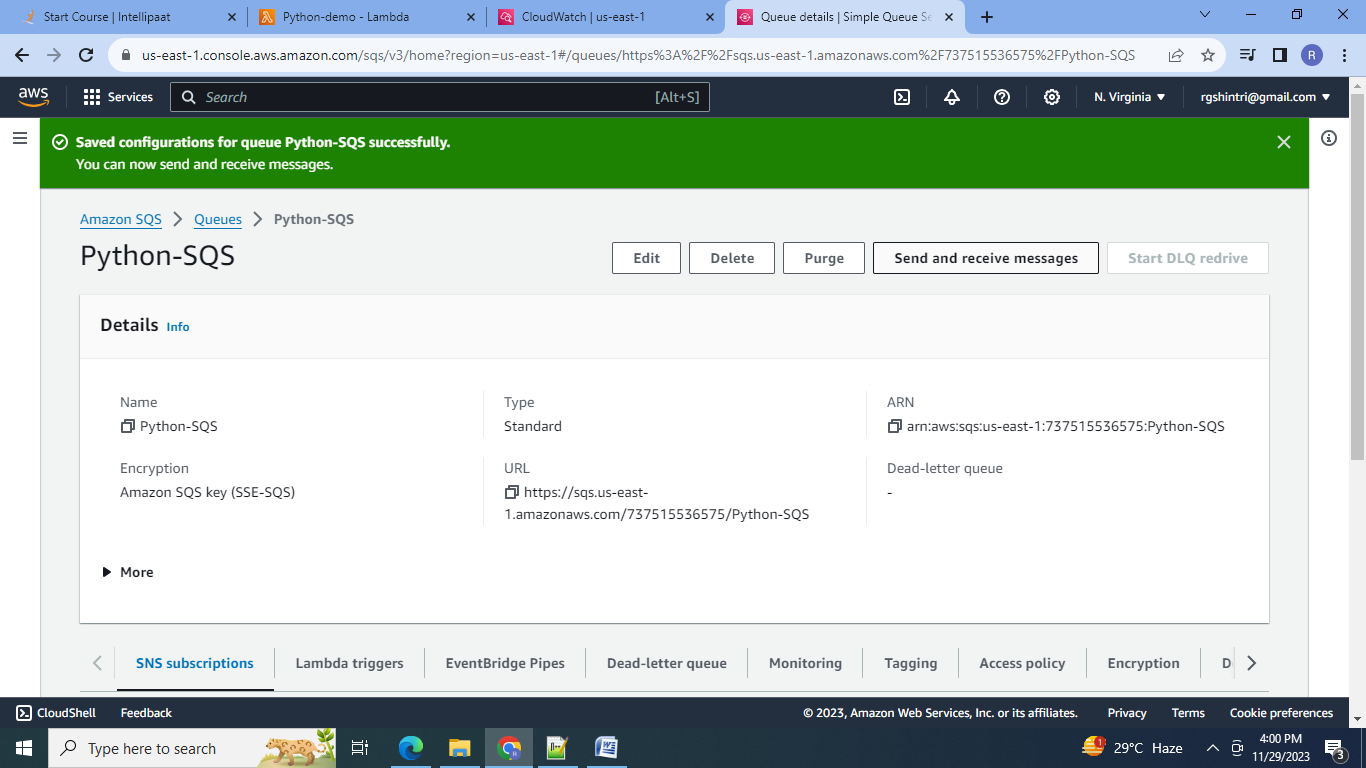
5.Create the event for SQS:

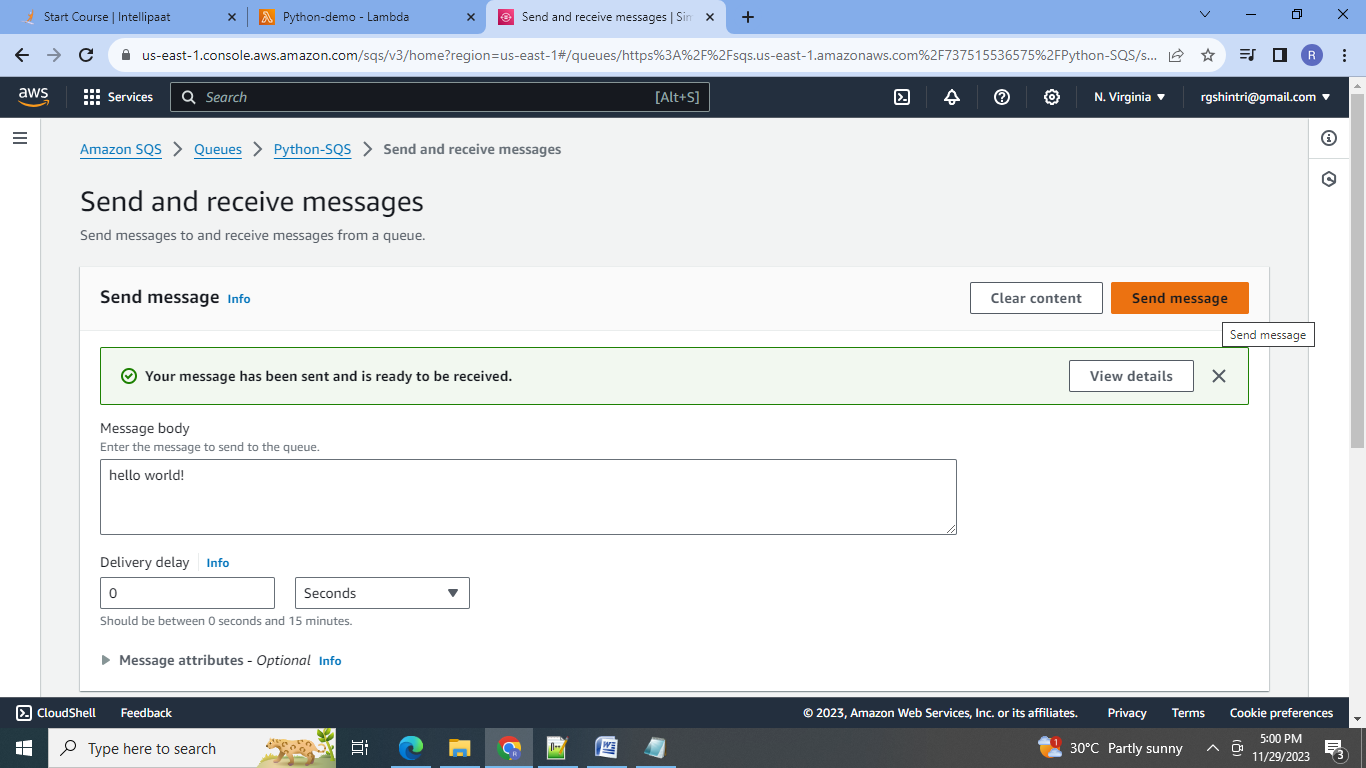


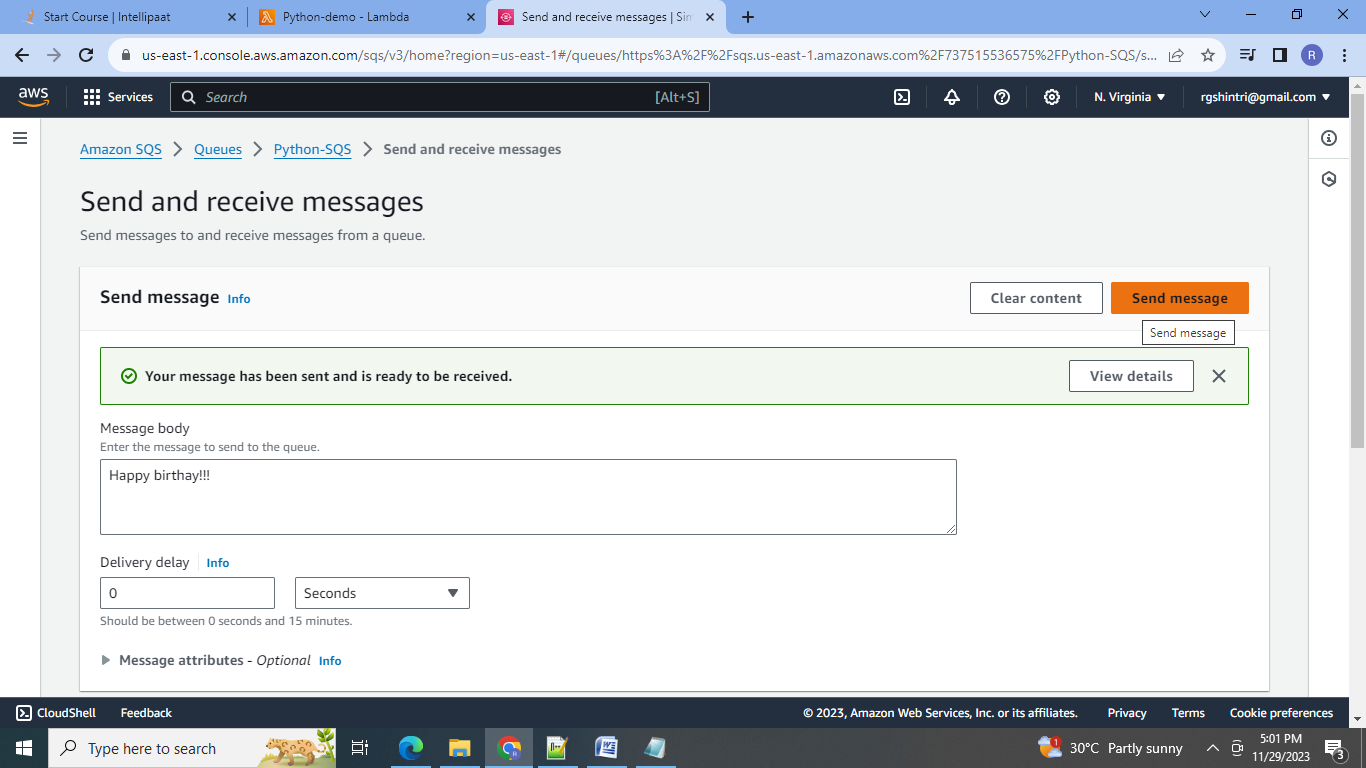
6.Test the event with lambda function:

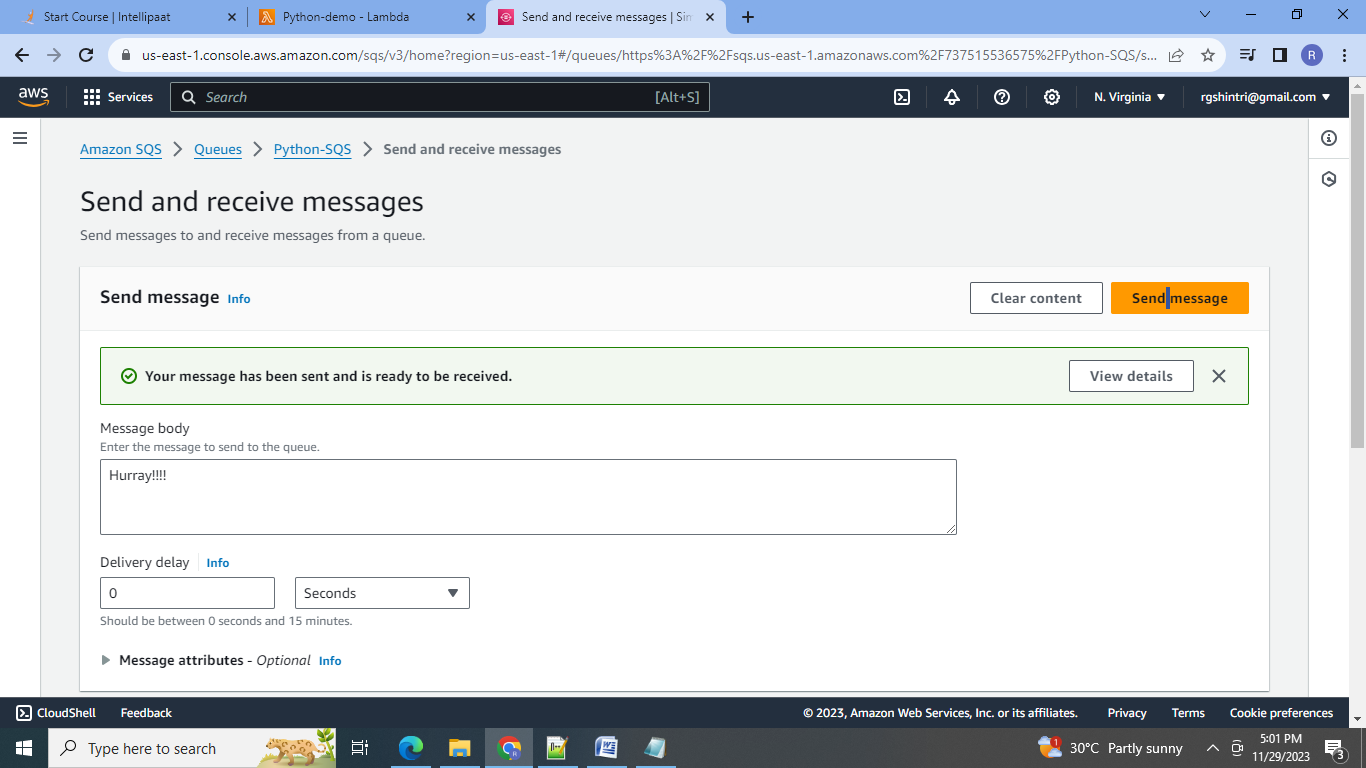


7.Send a batch of messages from SQS:

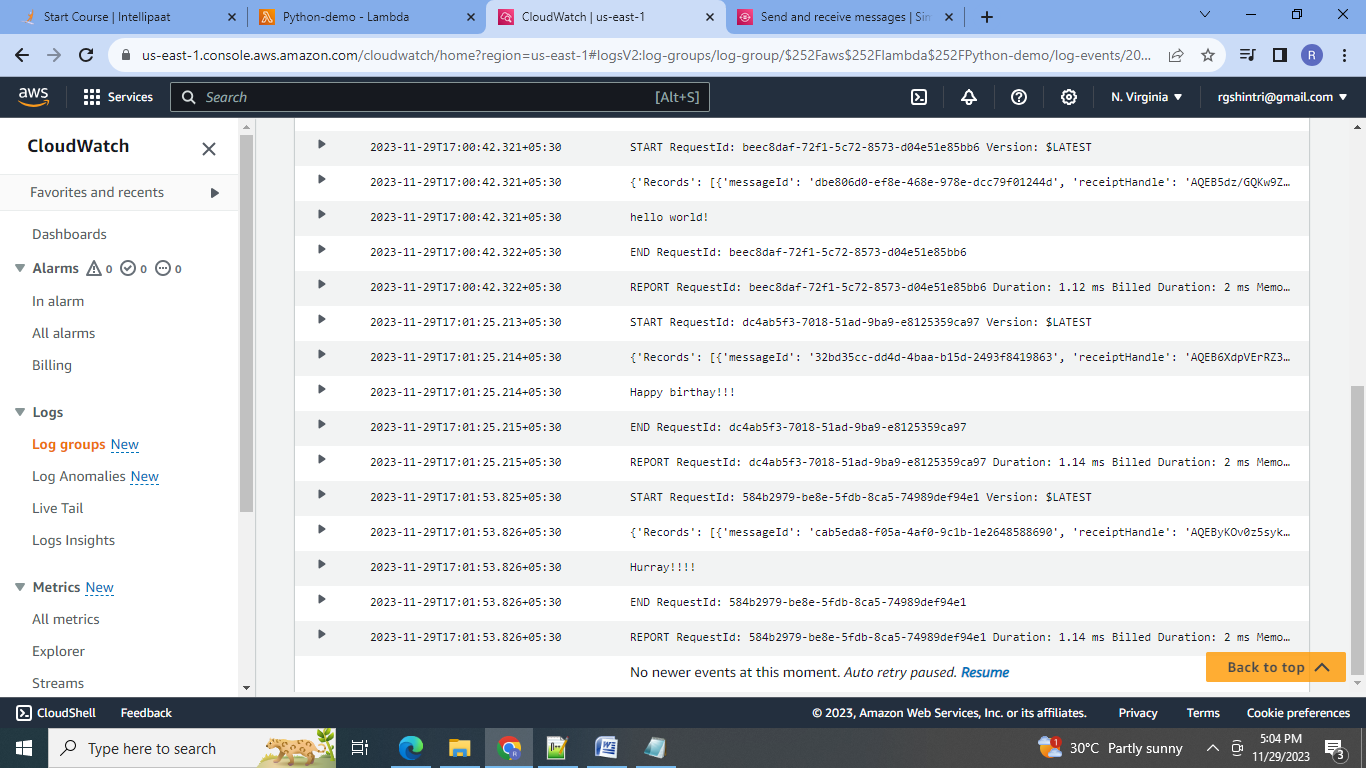




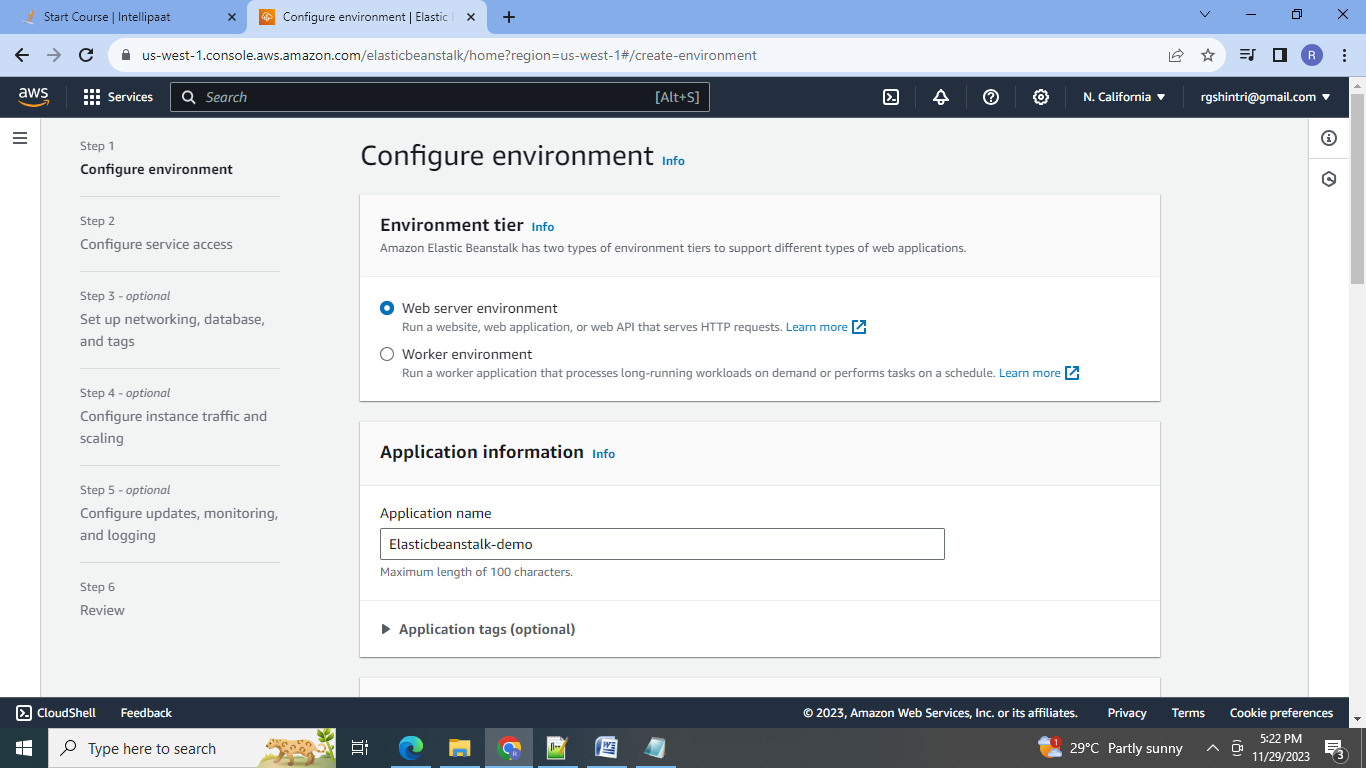


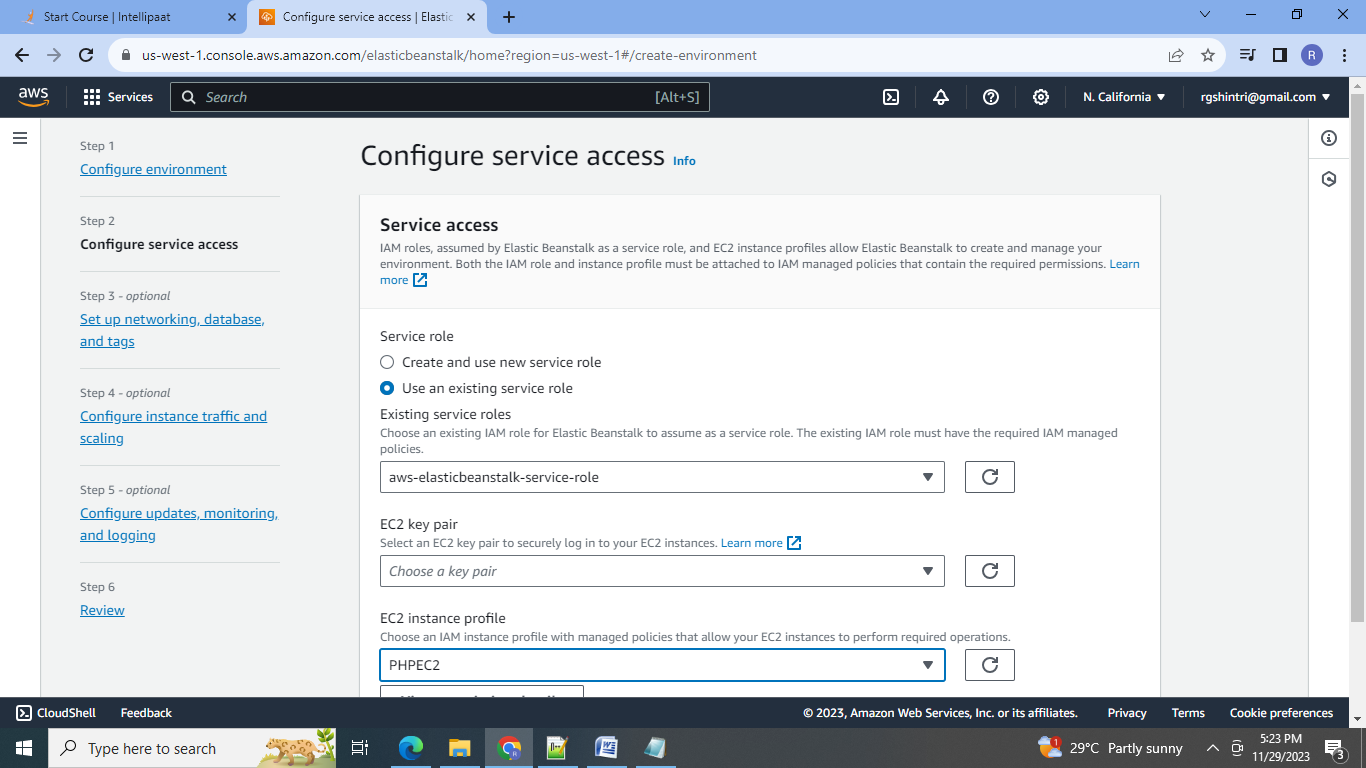


8.Go to Lambda & view the Cloudwatch logs for SQS messages.

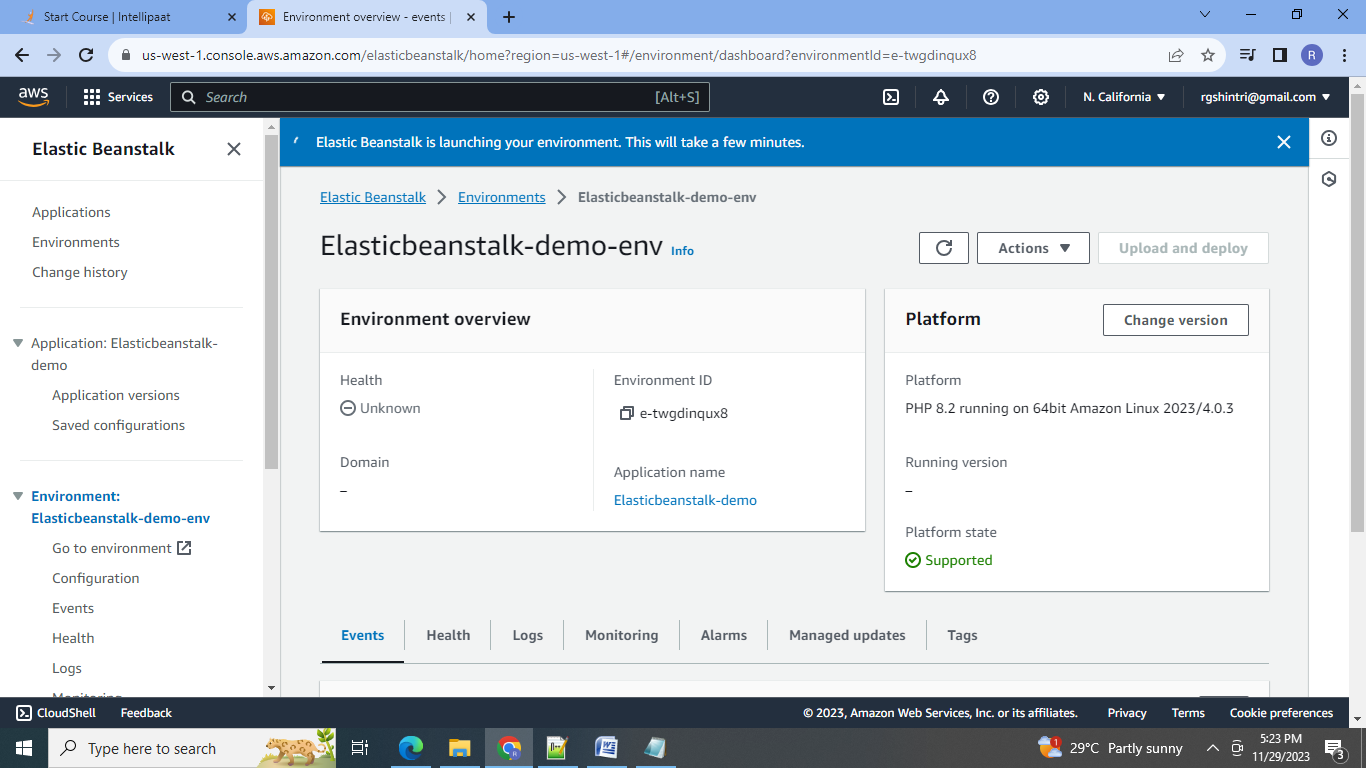


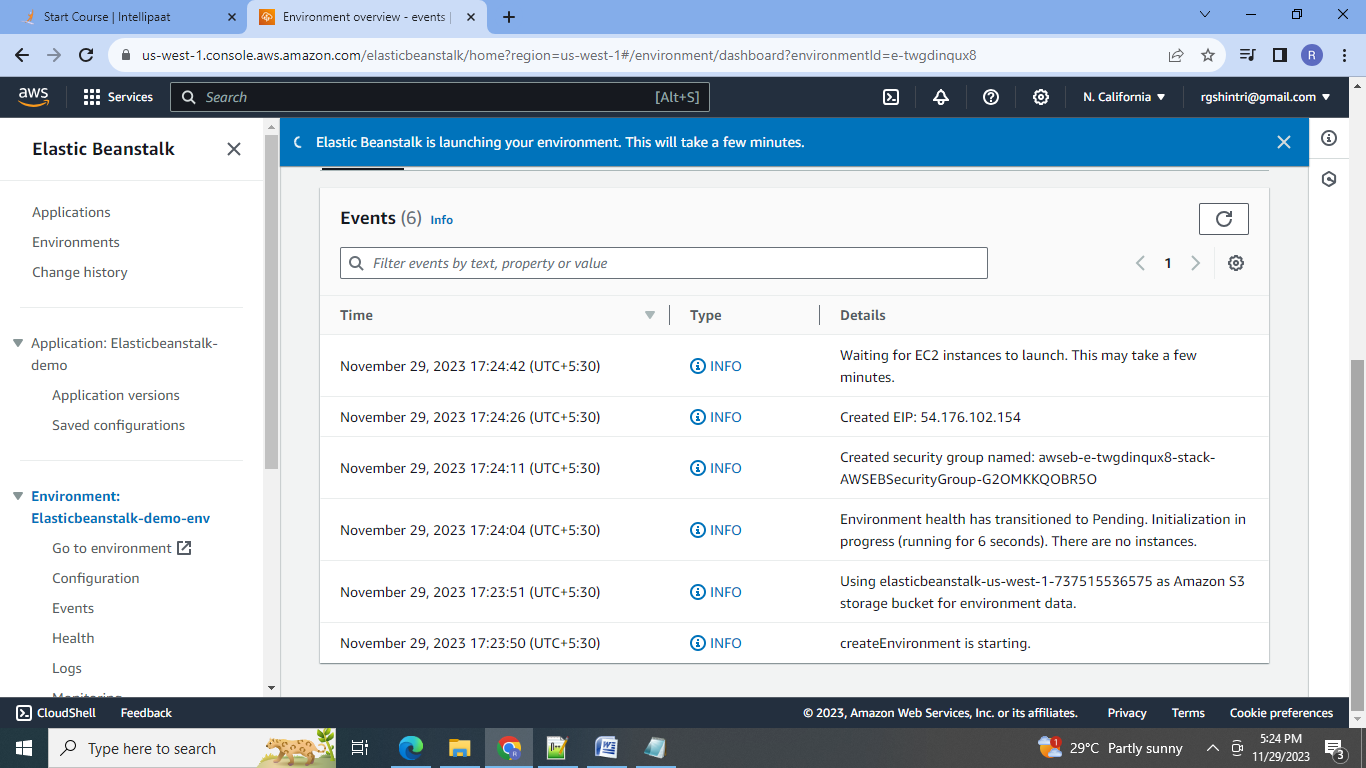
B] Steps: Create an Elastic Beanstalk environment with the runtime as PHP.

1. 

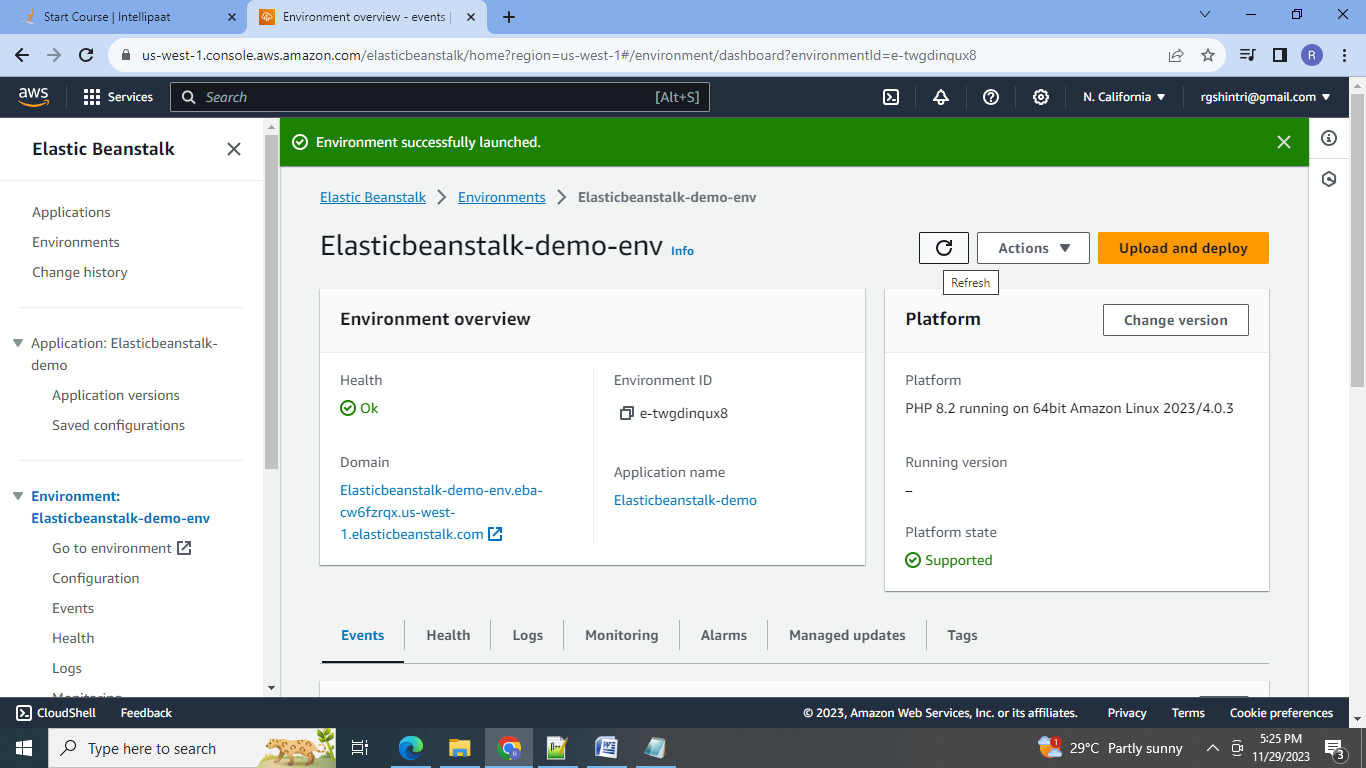


2.Crating PHP ElasticBeanstalk Evnironment:

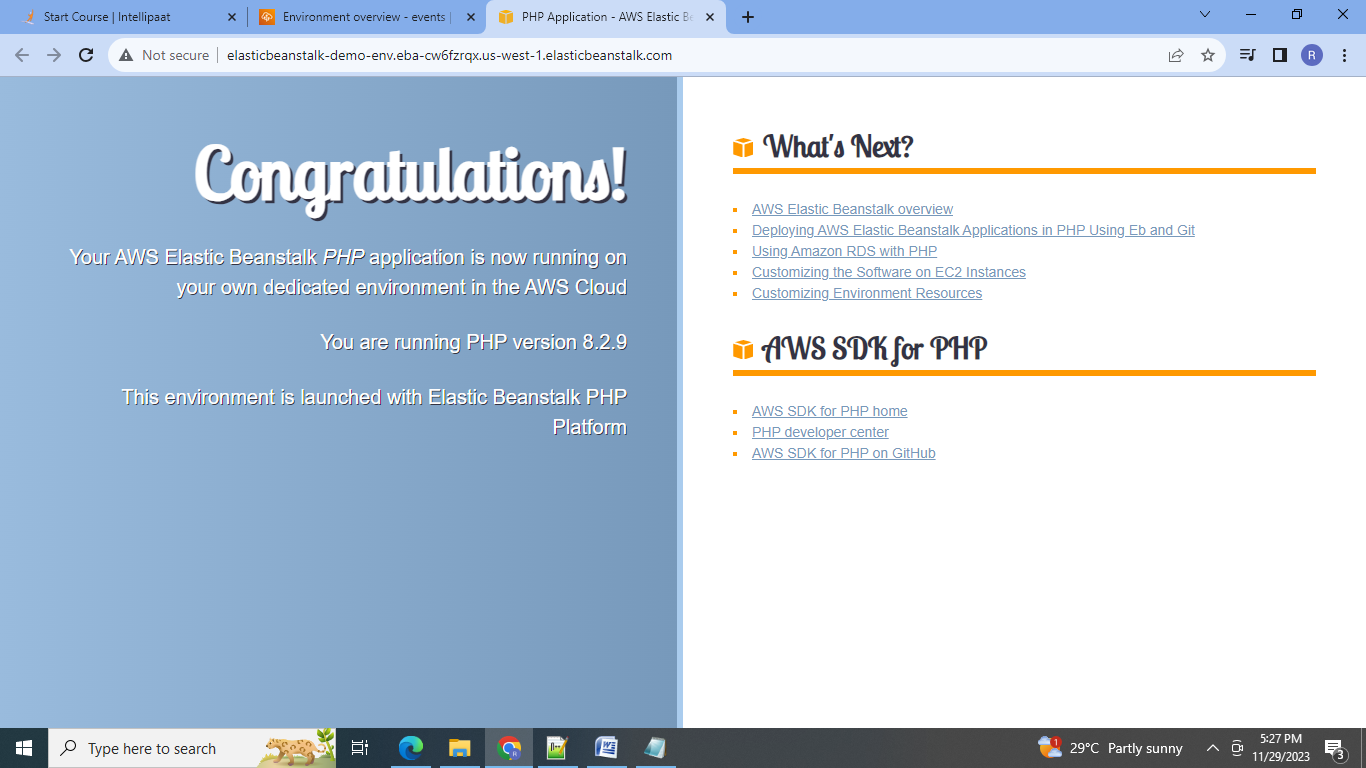




3.PHP Environment created:



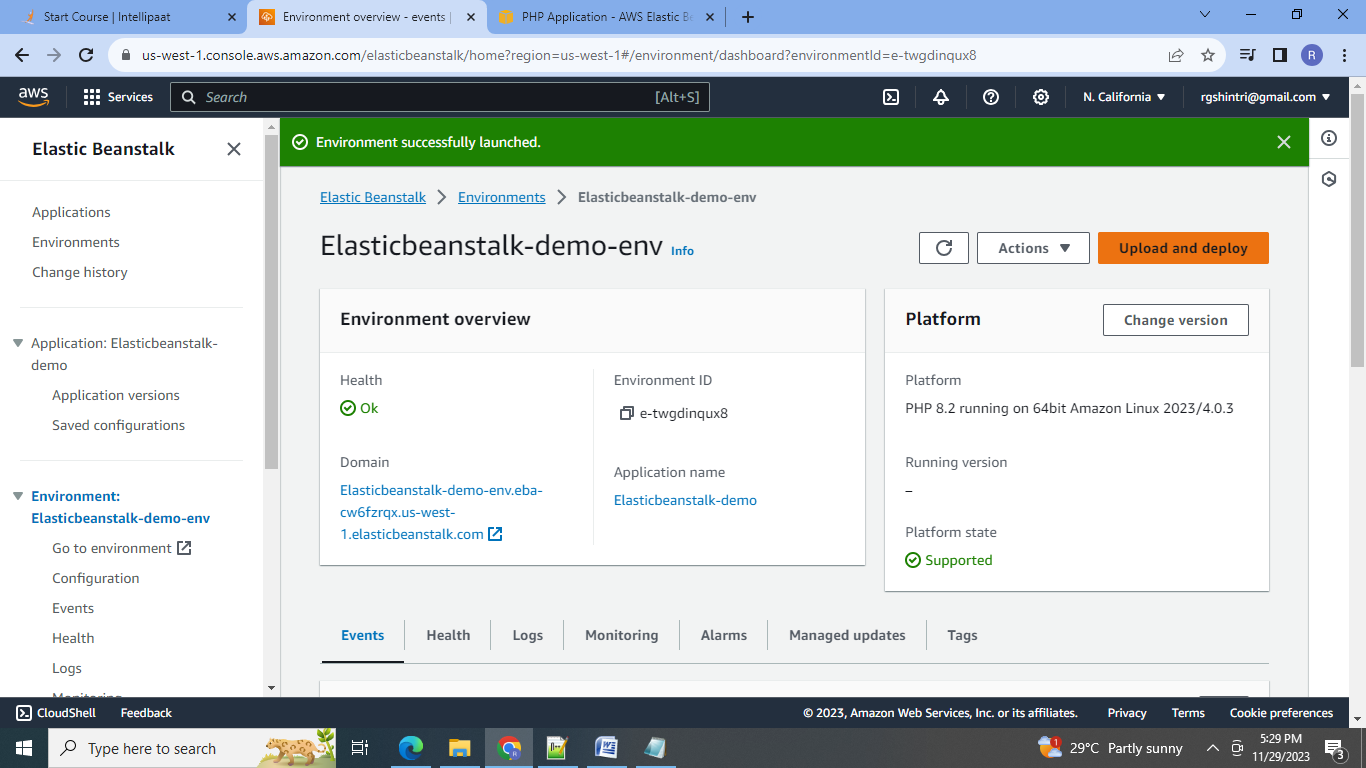
4.Test the platform for web page:

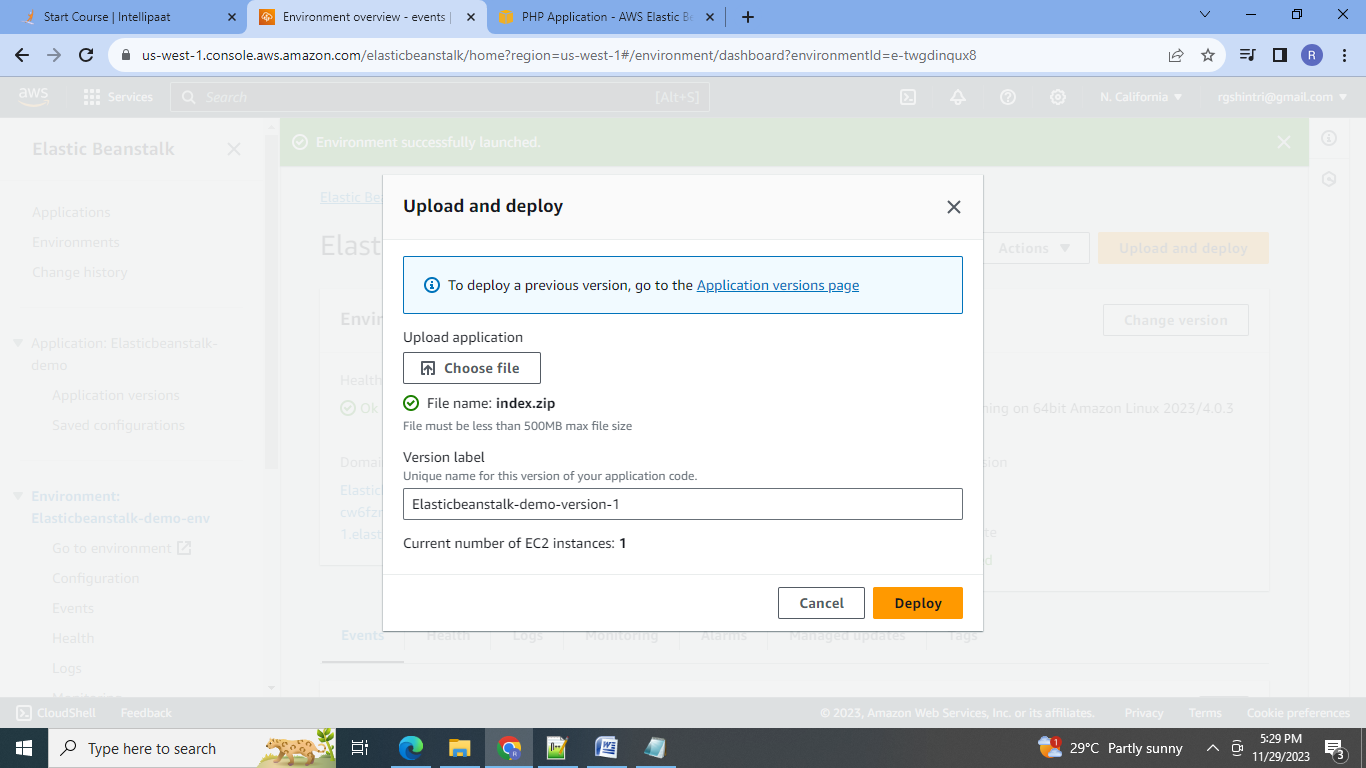


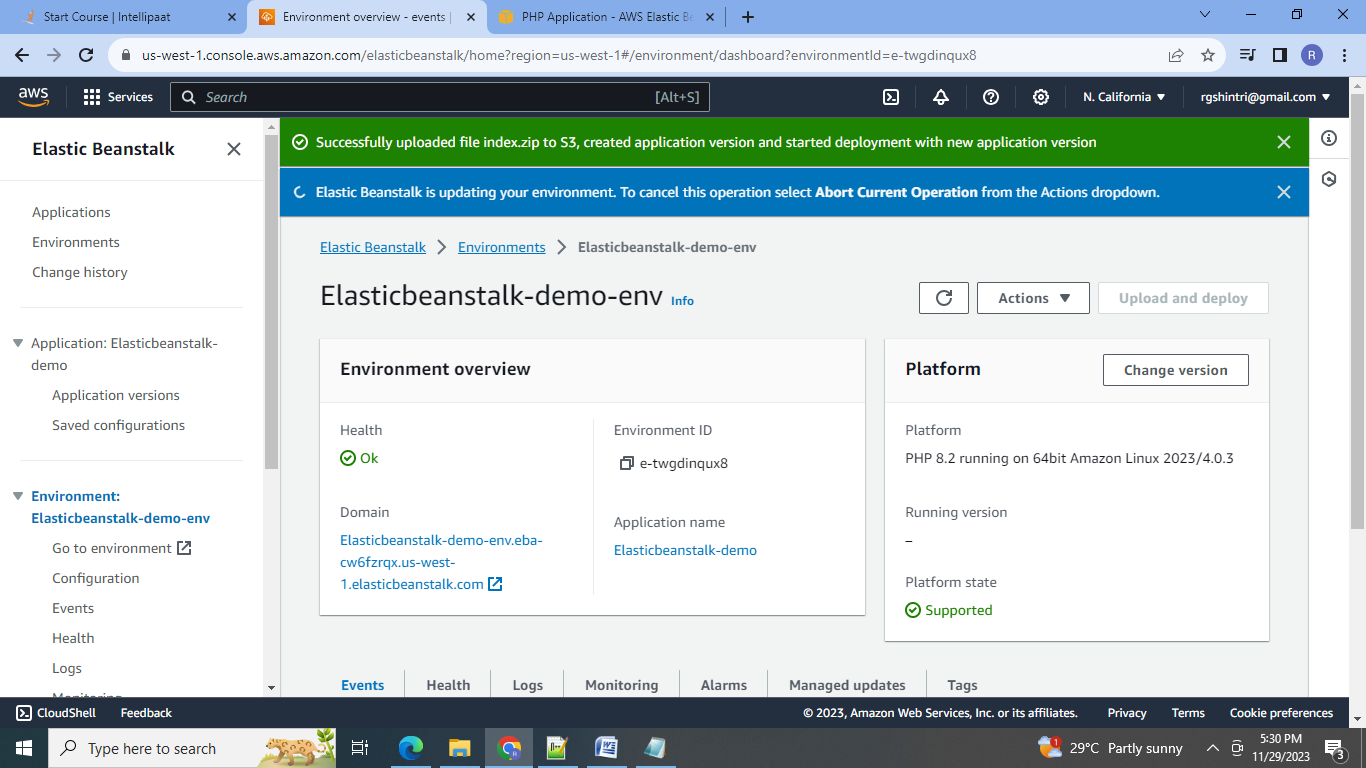
**2. Upload a simple PHP file to the environment once created.**

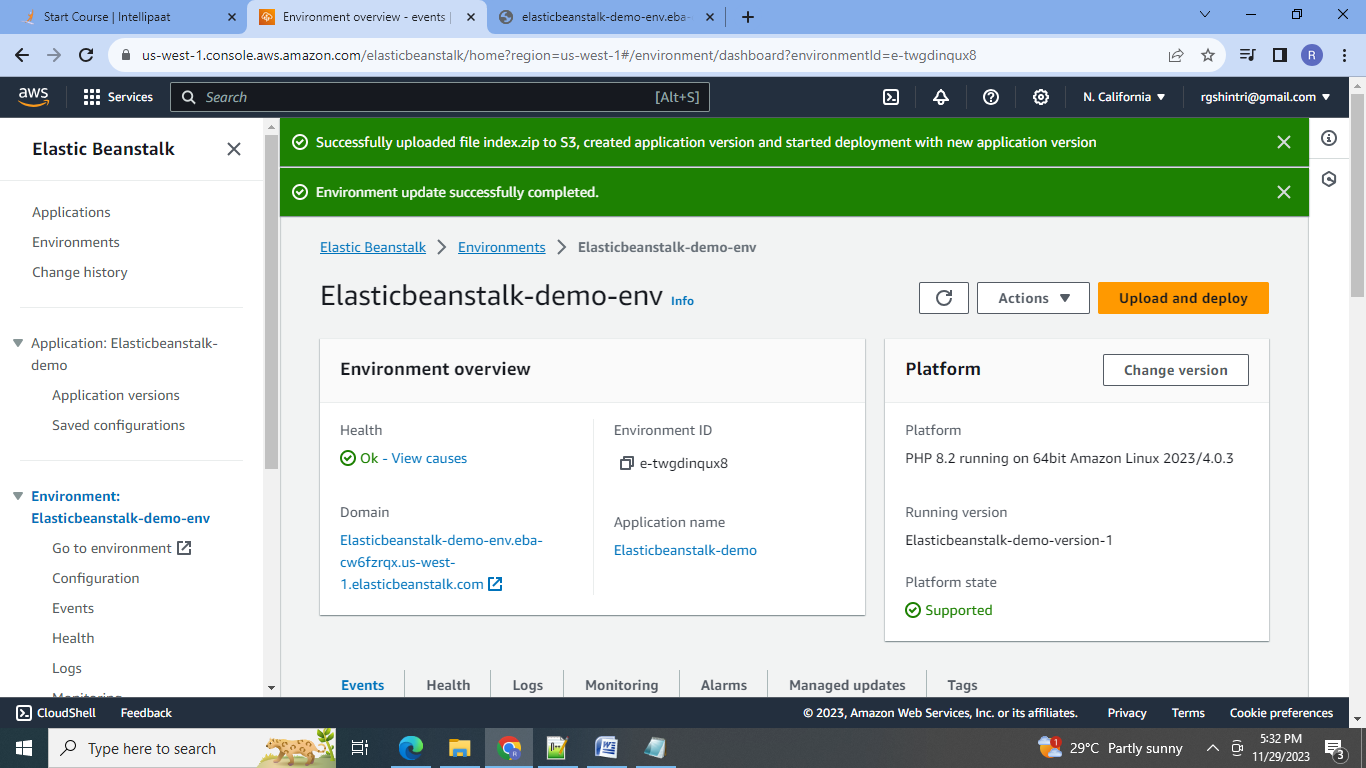
Step:

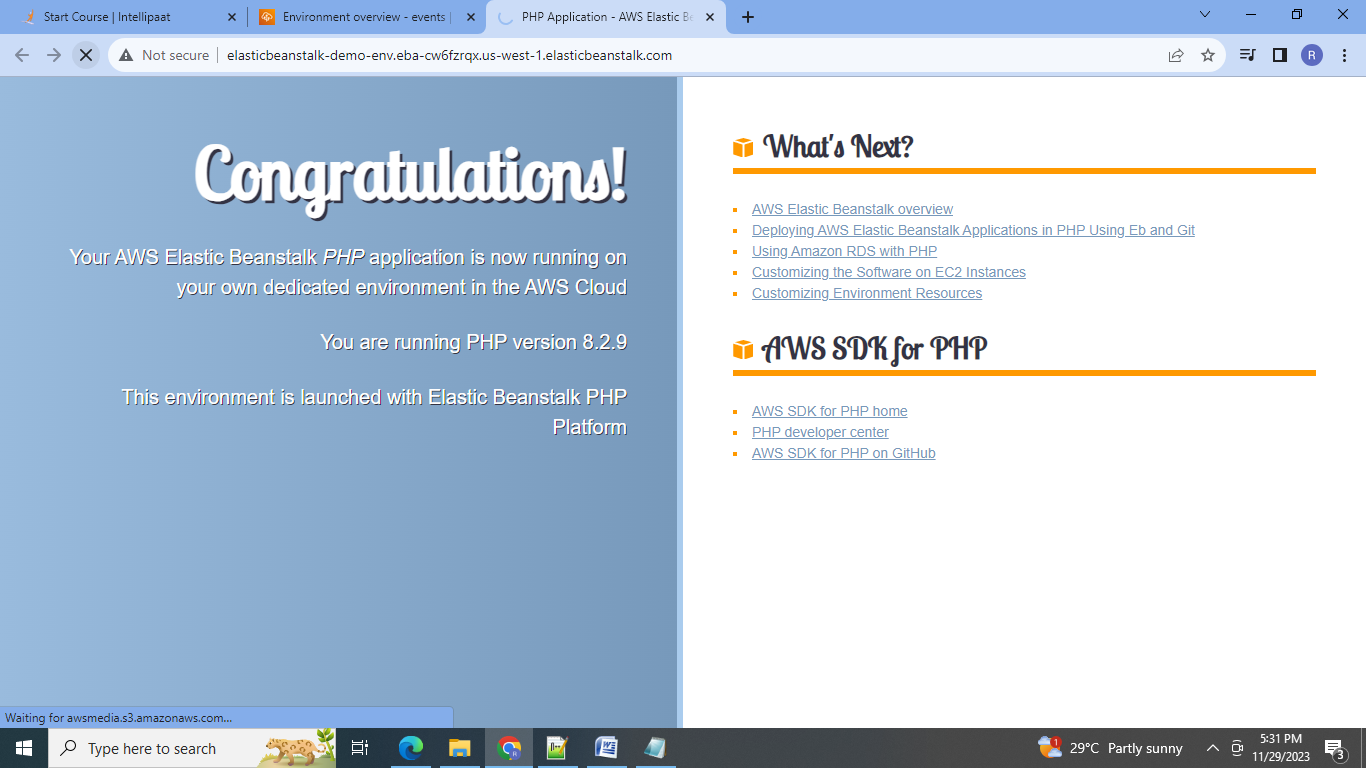
1.Upload & deploy new PHP file:

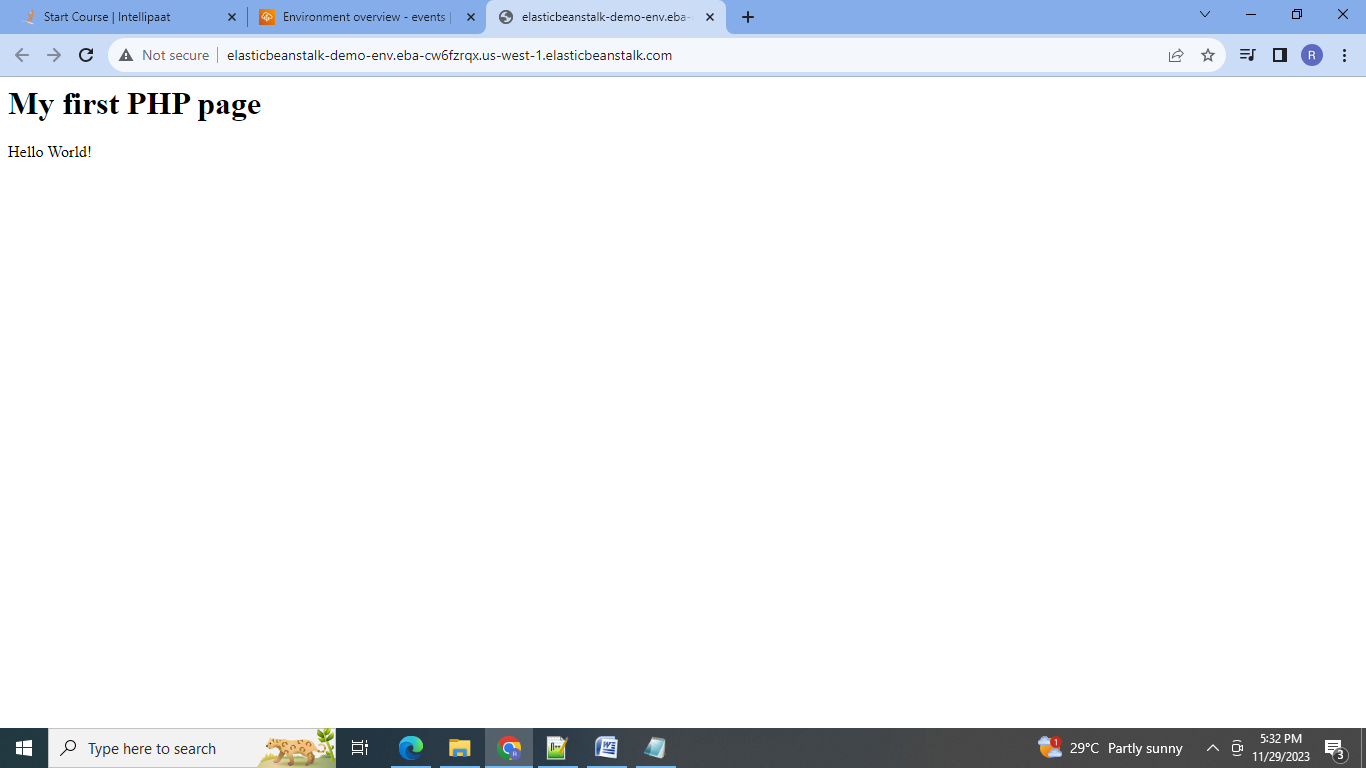










**Conclusion:** 1.Using Lambda we can create a serverless applications in which code is triggered in response to the event occurrence. 2.Using ElasticBeanstalk we can create, run and manage the application without worrying about the infrastructure,

