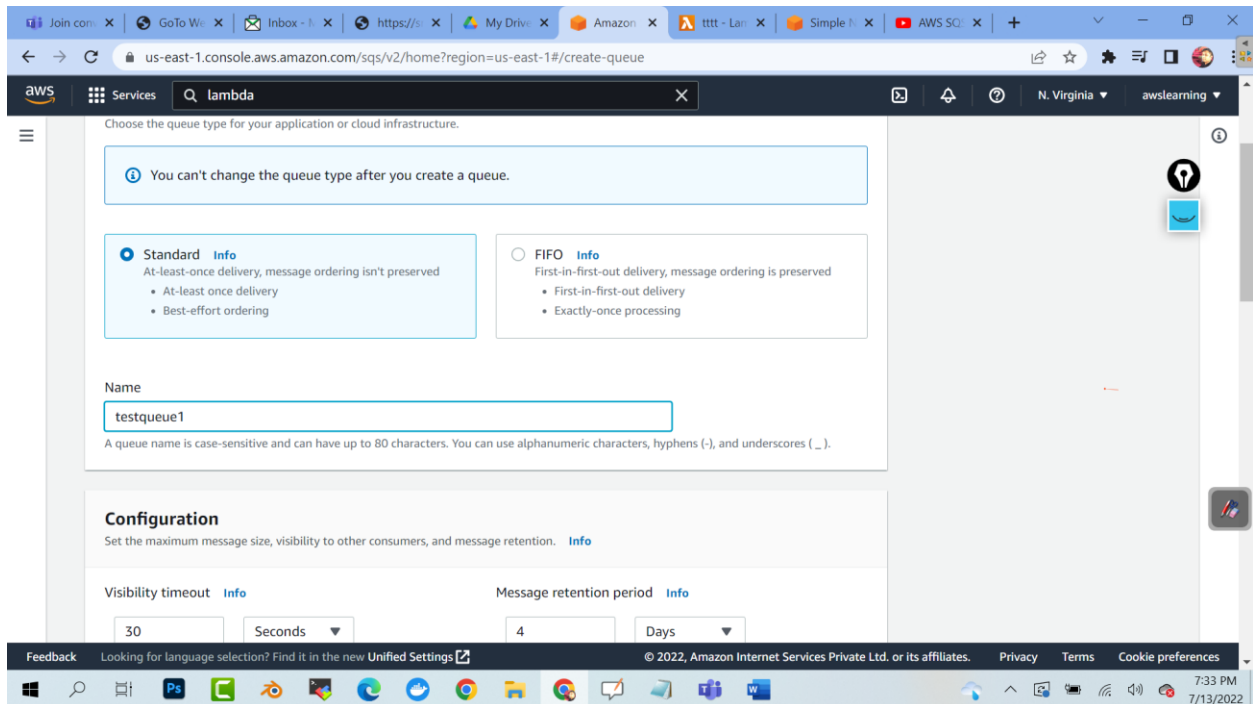
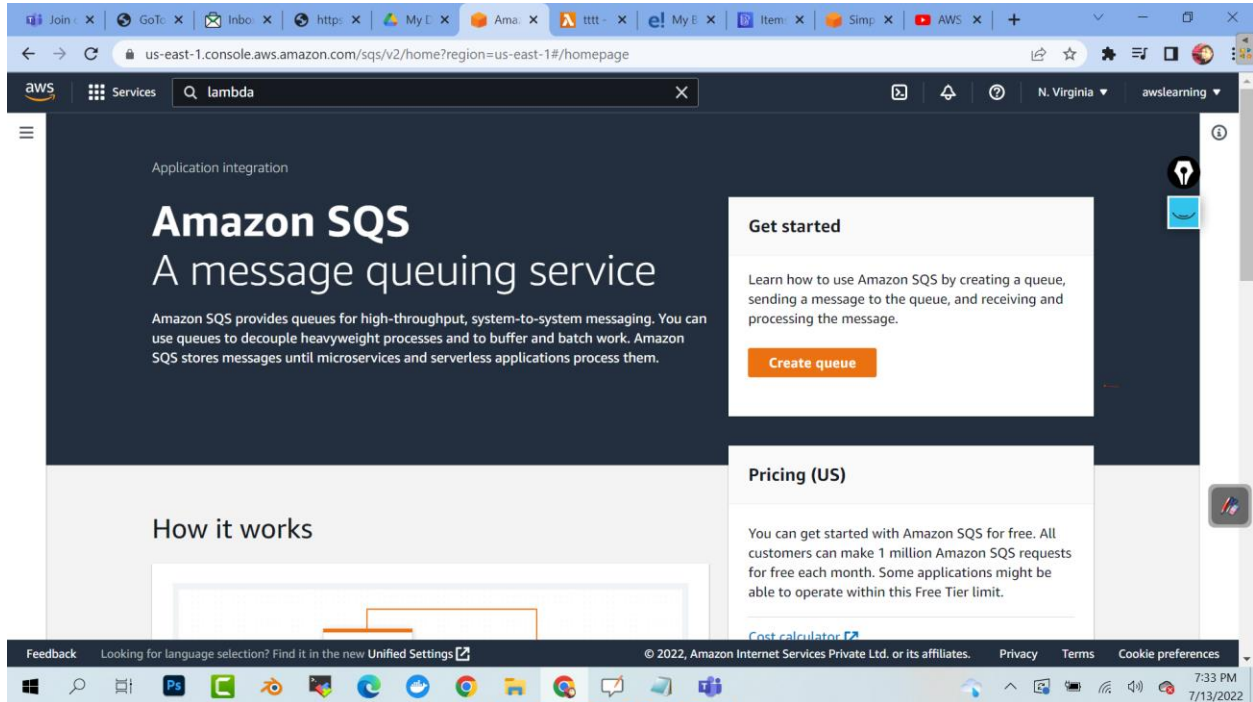


SQS LAB



Visibility timeout

Visibility timeout sets the length of time that a message received from a queue (by one consumer) will not be visible to the other message consumers. The visibility timeout begins when Amazon SQS returns a message. If the consumer fails to process and delete the message before the visibility timeout expires, the message becomes visible to other consumers. If a message must be received only once, your consumer must delete it within the duration of the visibility timeout.

Message retention period

The message retention period is the amount of time that Amazon SQS retains a message that does not get deleted. Amazon SQS automatically deletes messages that have been in a queue for more than the maximum message retention period. The default retention period is 4 days. The retention period has a range of 60 seconds to 1,209,600 seconds (14 days).

Delivery delay

If your consumers need additional time to process messages, you can delay each new message coming to the queue. The delivery delay is the amount of time to delay the first delivery of each message added to the queue. Any messages that you send to the queue remain invisible to consumers for the duration of the delay period. The default (minimum) delay for a queue is 0 seconds. The maximum is 15 minutes

Maximum message size

You can set the maximum message size for your queue. The smallest supported message size is 1 byte (1 character). The largest size is 262,144 bytes (256 KB). To send messages larger than 256 KB, you can use the Amazon SQS Extended Client Library

Dead-letter queues

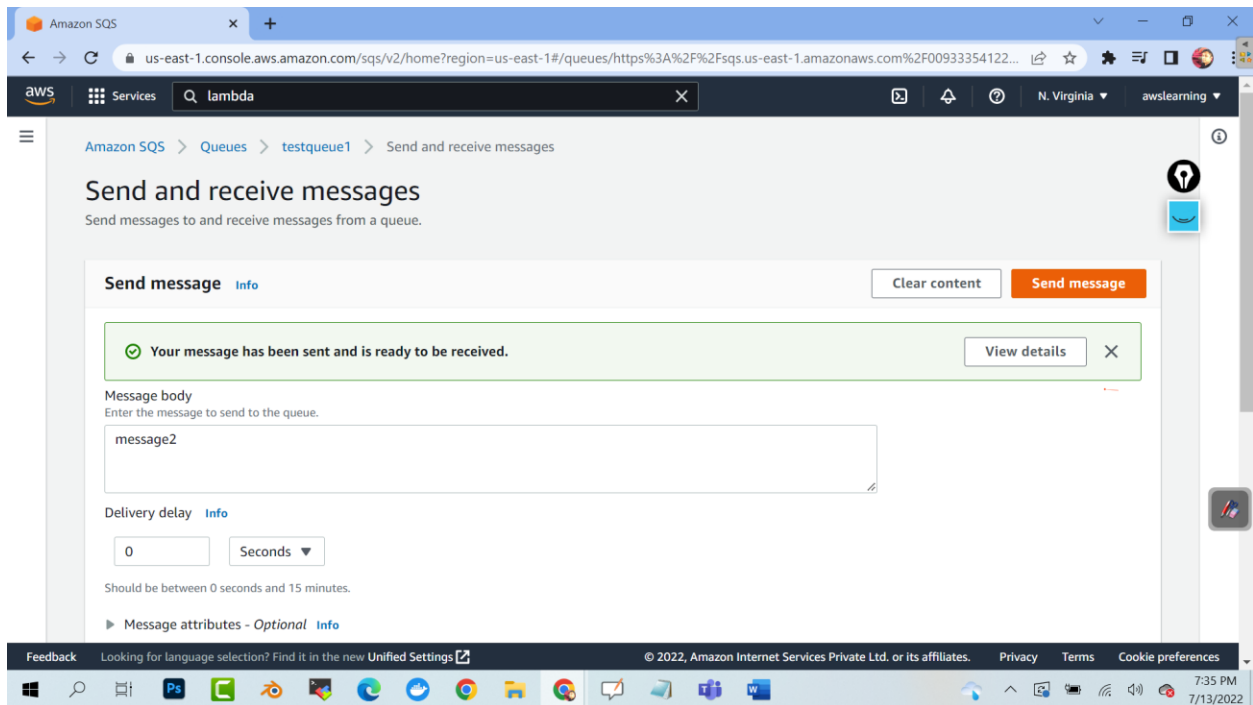
If a message can't be consumed successfully, you can send it to a dead-letter queue (DLQ). Dead-letter queues let you isolate problematic messages to determine why they are failing.

CREATE QUEUE

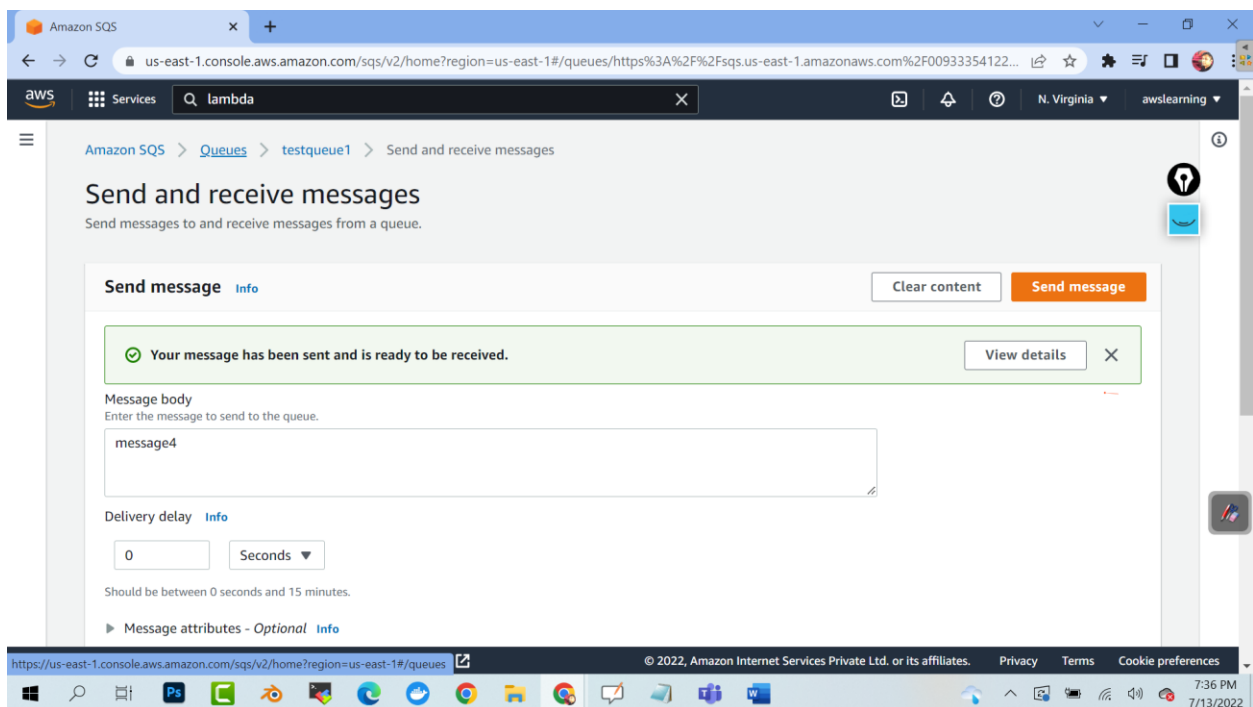
The first screenshot shows the 'testqueue1' details page in the AWS Management Console. A green notification banner at the top states: 'Queue testqueue1 created successfully. You can now send and receive messages.' The page title is 'testqueue1'. Below the title are buttons: 'Edit', 'Delete', 'Purge', 'Send and receive messages', and 'Start DLQ redrive'. The 'Details' section shows the following information:

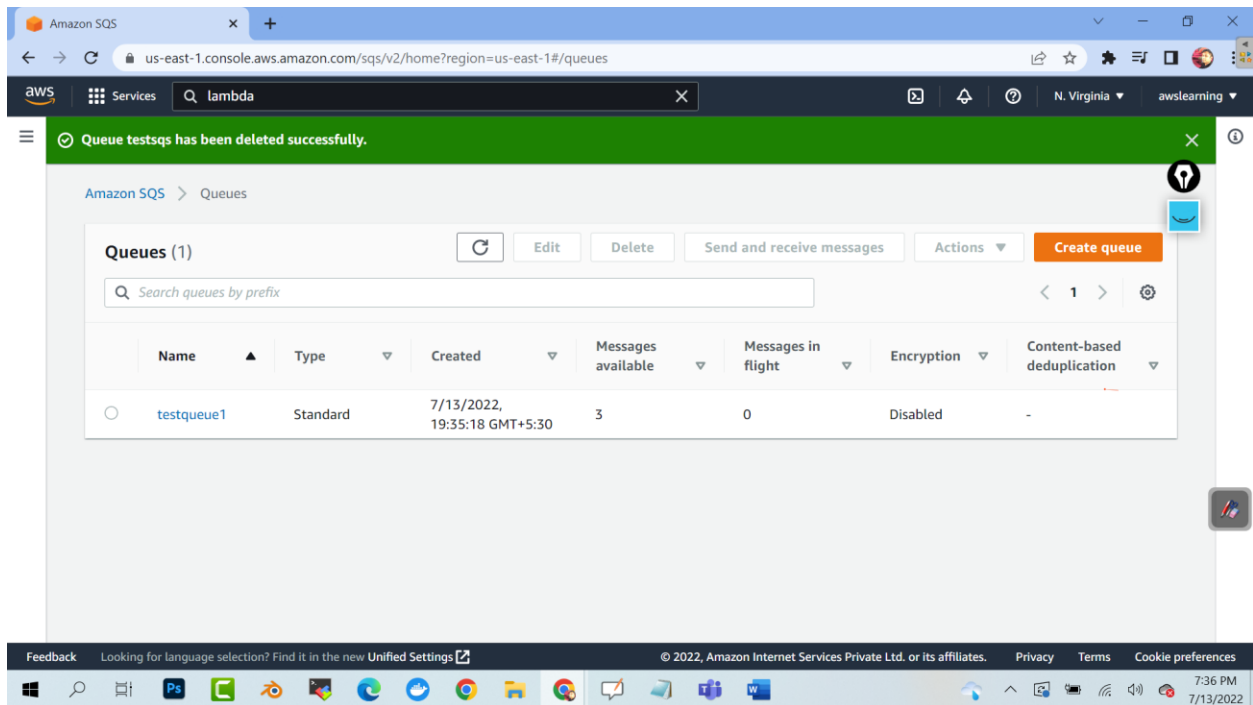
Name	Type	ARN
testqueue1	Standard	arn:aws:sqs:us-east-1:009333541227:testqueue1
Encryption	URL	Dead-letter queue
Disabled	https://sqs.us-east-1.amazonaws.com/009333541227/testqueue1	-

The second screenshot shows the 'Send and receive messages' page for 'testqueue1'. A green notification banner states: 'Your message has been sent and is ready to be received.' Below this, the 'Message body' section has a text input field containing 'message1'. The 'Delivery delay' is set to '0' seconds. A 'Send message' button is visible. The page also includes a 'Clear content' button and a 'View details' link.



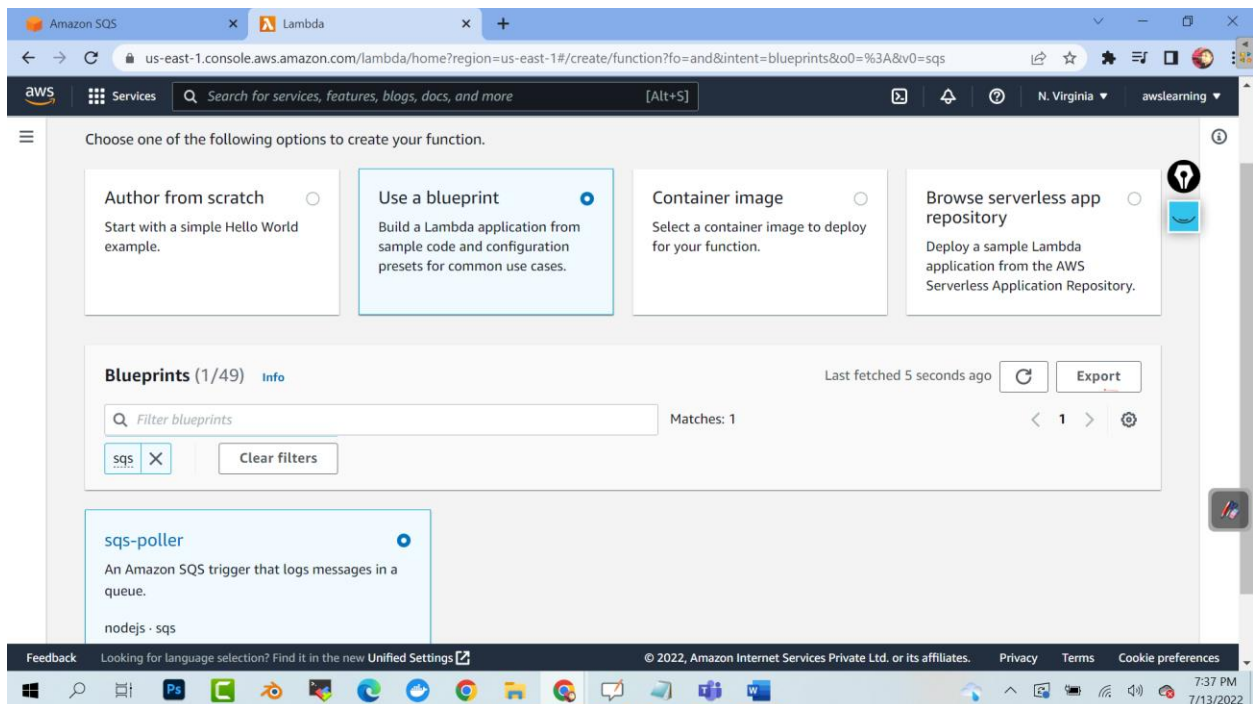
Similarly create 5-7 messages





Now go to lambda function

Create function



Configure

AWS SQS LAB

Amazon SQS x Lambda x +

us-east-1.console.aws.amazon.com/lambda/home?region=us-east-1#/create/function/configure/blueprint?blueprint=sqs-poller

aws Services Search for services, features, blogs, docs, and more [Alt+S] N. Virginia awslearning

Function name

testfunction22

Execution role

Choose a role that defines the permissions of your function. To create a custom role, go to the IAM console.

☐ Create a new role with basic Lambda permissions

☐ Use an existing role

☒ Create a new role from AWS policy templates

Role creation might take a few minutes. Please do not delete the role or edit the trust or permissions policies in this role.

Role name

Enter a name for your new role.

testrole

Use only letters, numbers, hyphens, or underscores with no spaces.

Policy templates - optional Info

Choose one or more policy templates.

Amazon SQS poller permissions X

SQS

SQS trigger Remove

SQS queue

Choose or enter the ARN of an SQS queue.

testqueue1

The maximum number of messages to retrieve in a single batch.

10

Batch window

The maximum amount of time to gather records before invoking the function, in seconds.

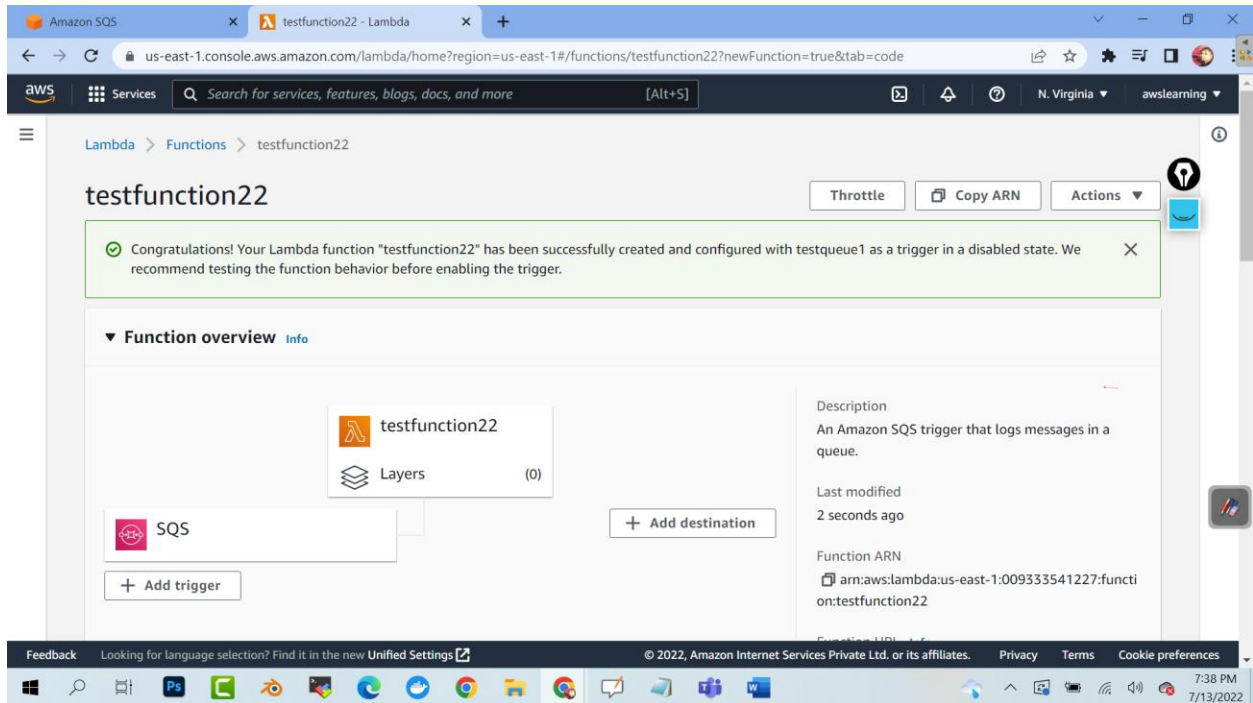
0

Additional settings - optional

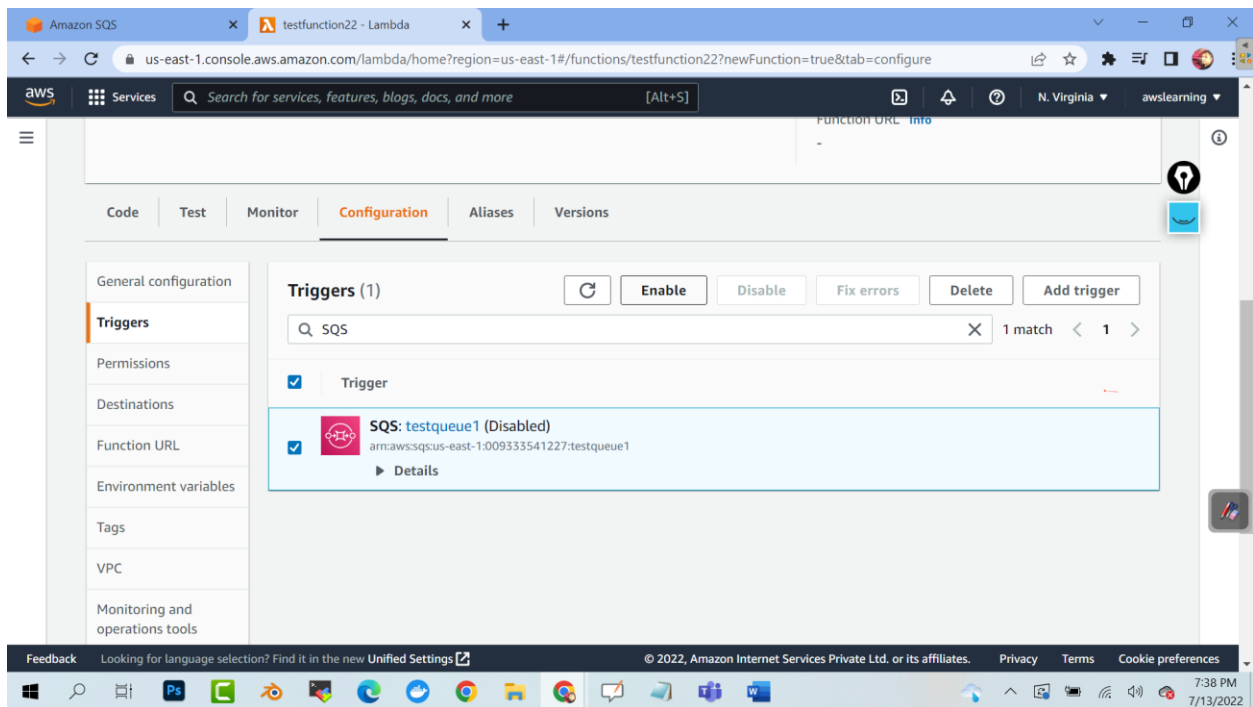
Feedback Looking for language selection? Find it in the new Unified Settings © 2022, Amazon Internet Services Private Ltd. or its affiliates. Privacy Terms Cookie preferences

7:37 PM 7/13/2022

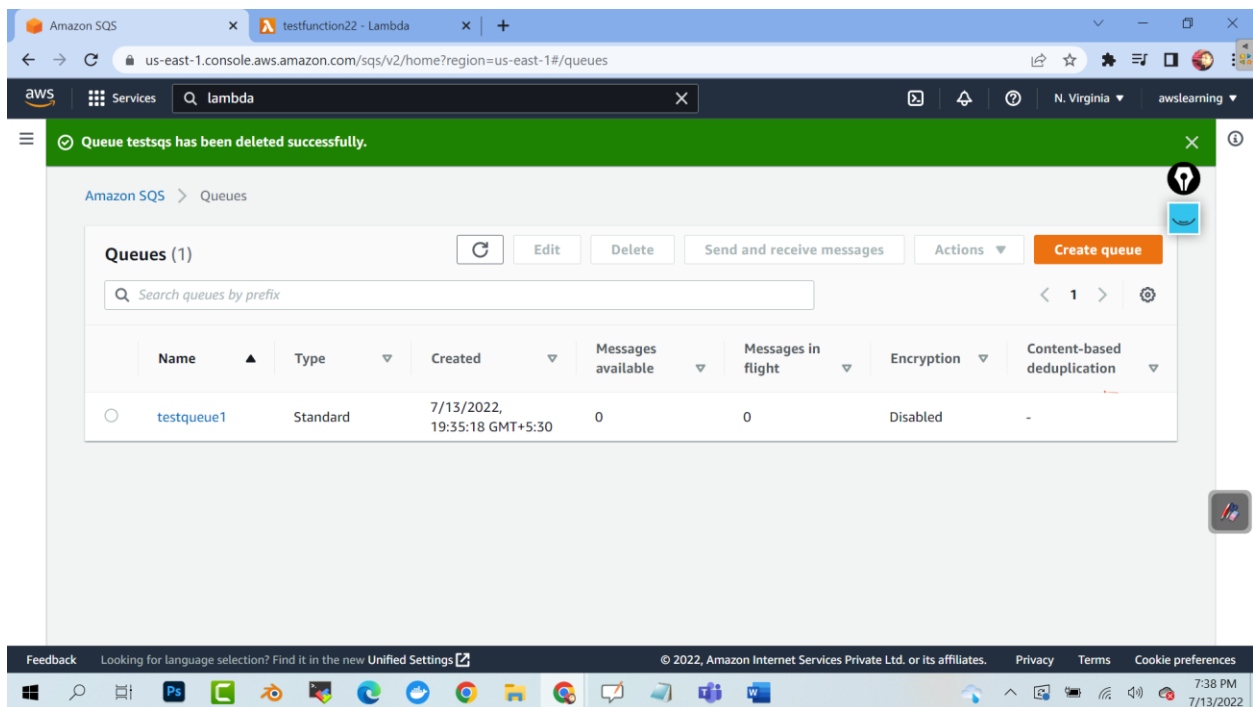
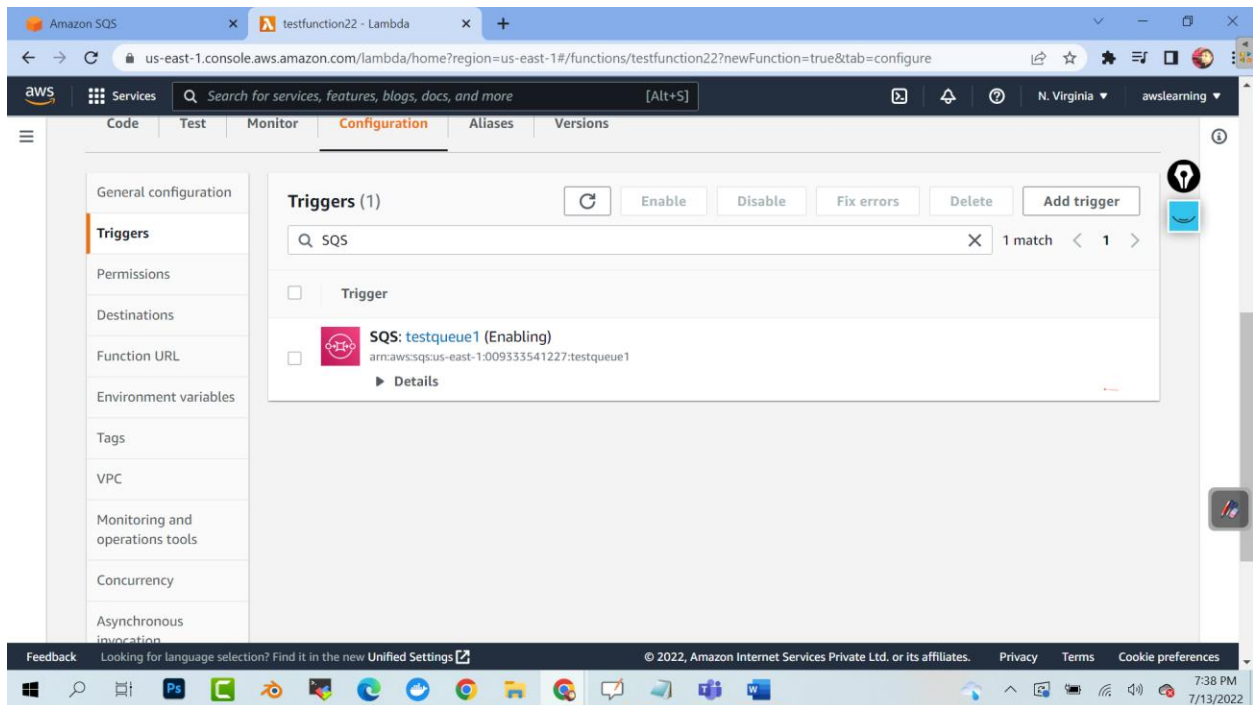
Create function



Click on SQS



Select SQS and enable it



YOU WILL SEE THAT MESSAGE AVAILABLE IS NOW DIGESTED