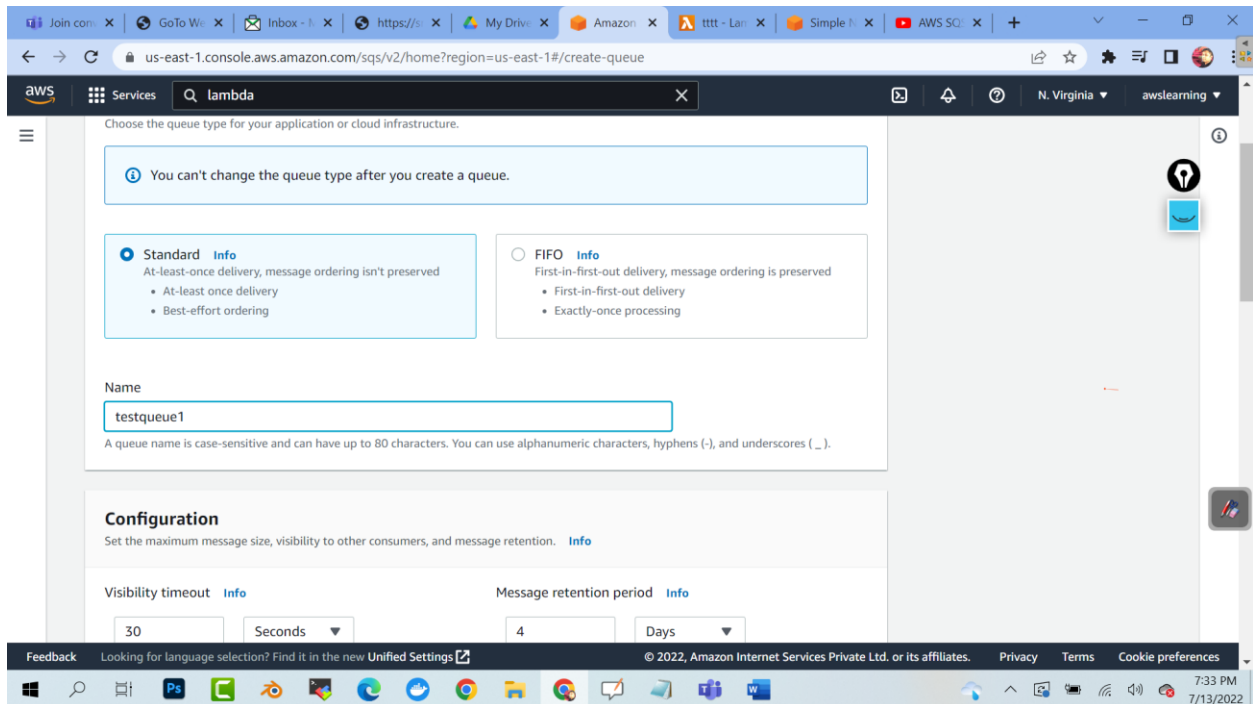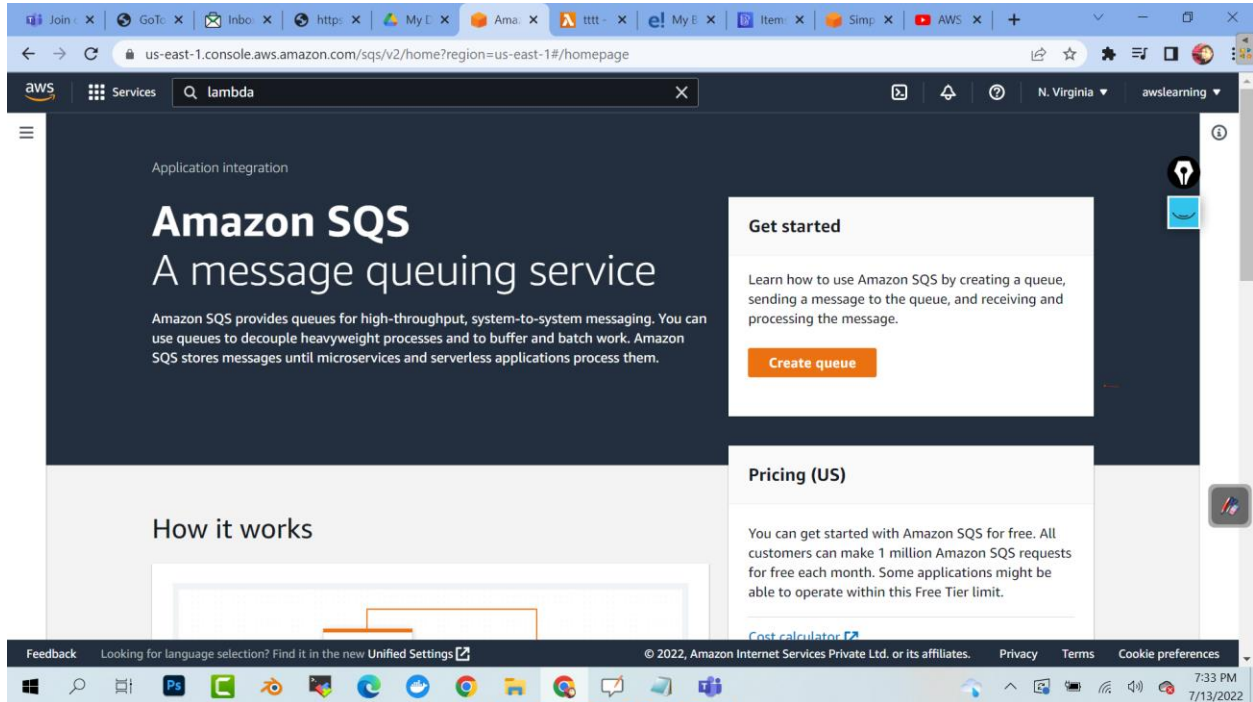# SQS LAB

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
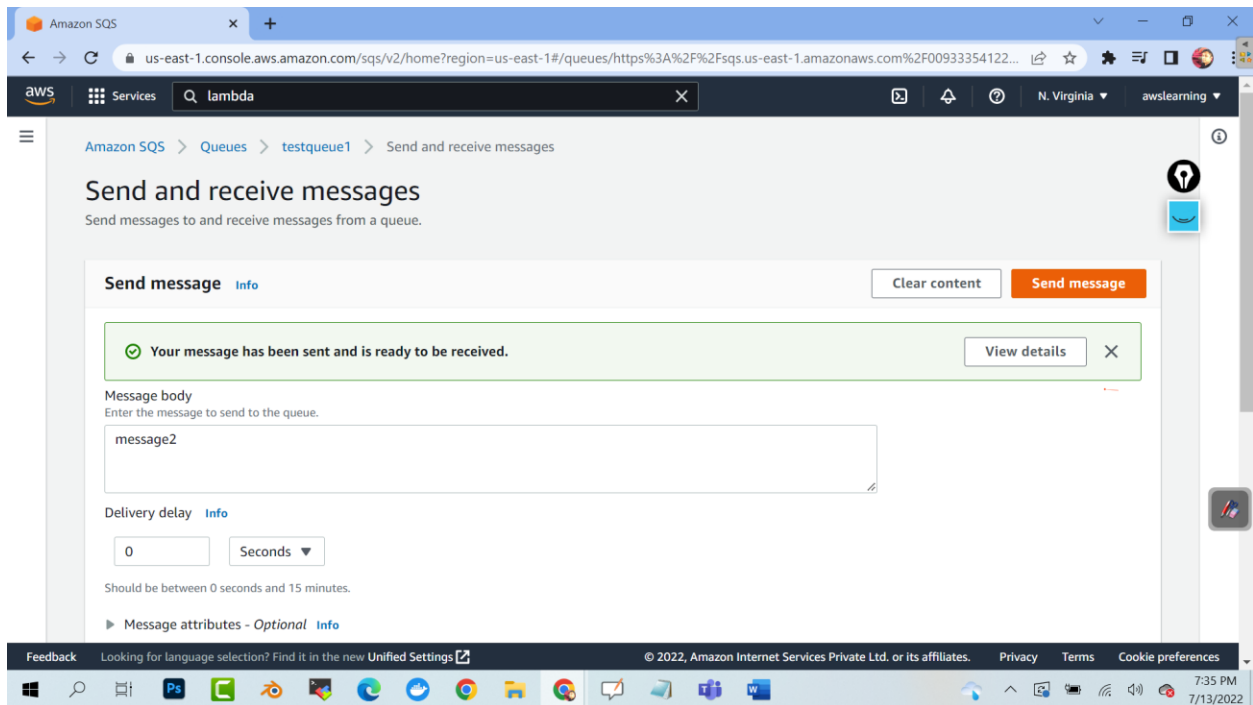
Dead-letter queues

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.
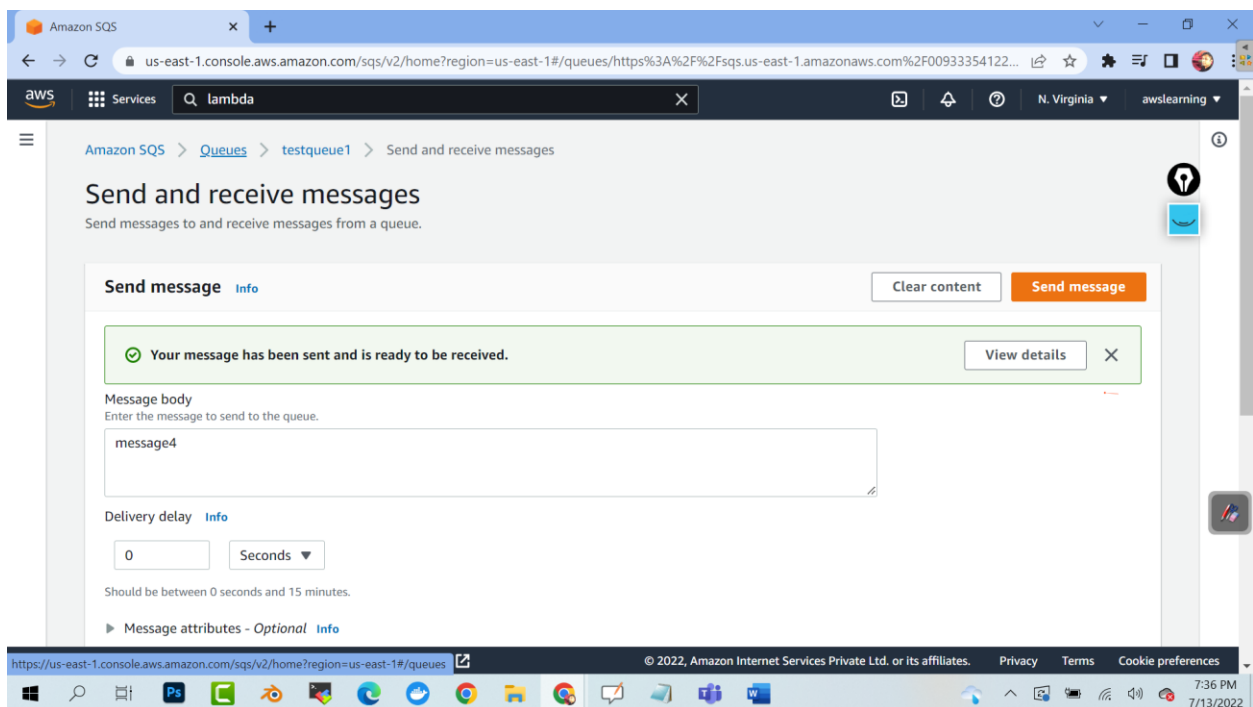
CREATE QUEUE

3

AWS SQS LAB

Similarly create 5-7 messages
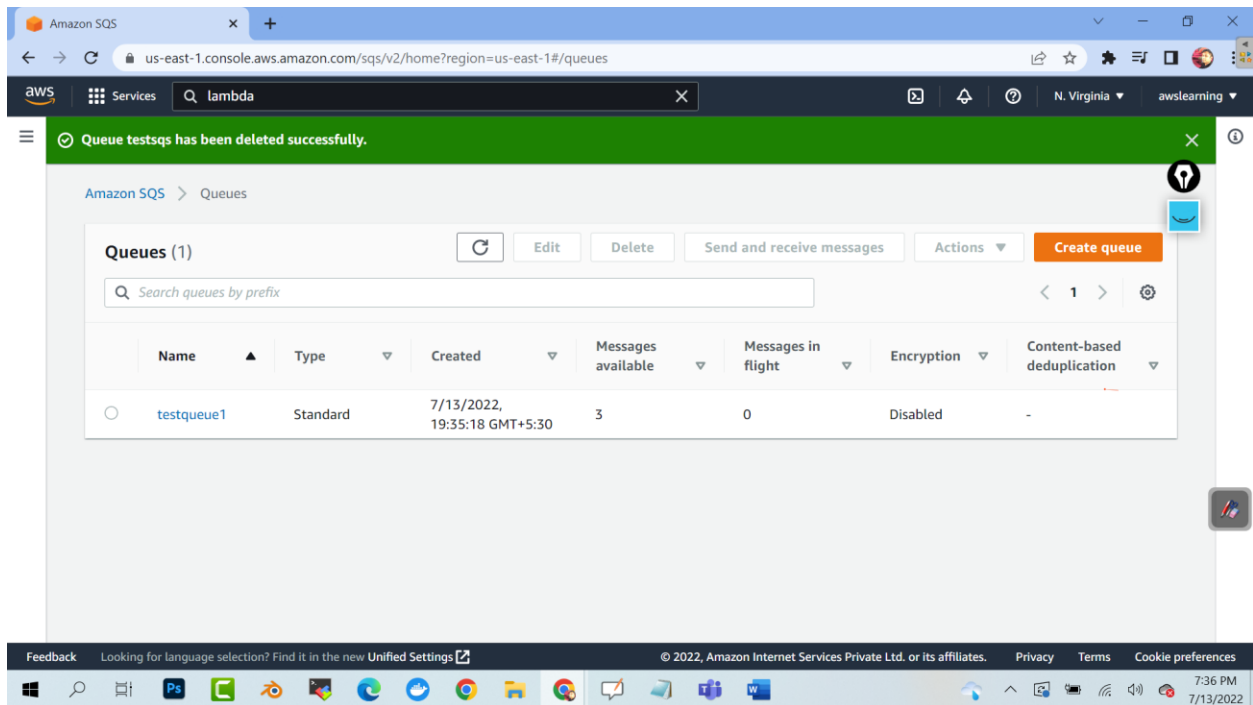
AWS SQS LAB

Now go to lambda function
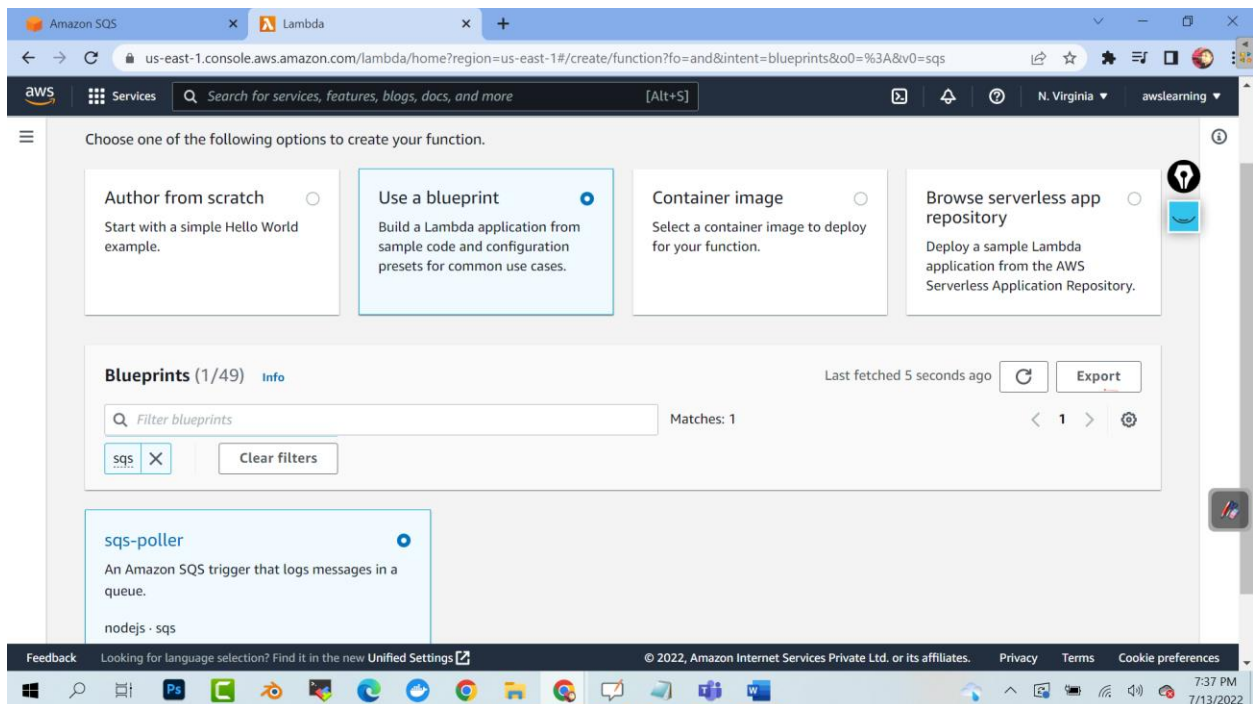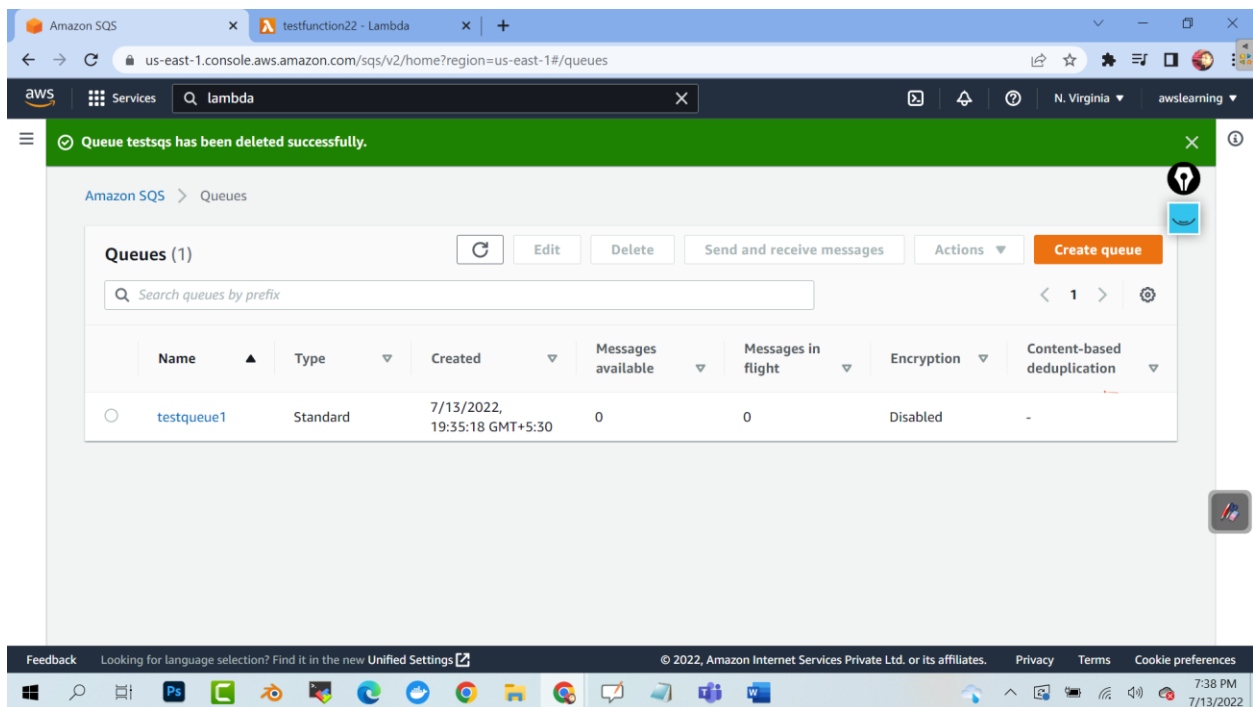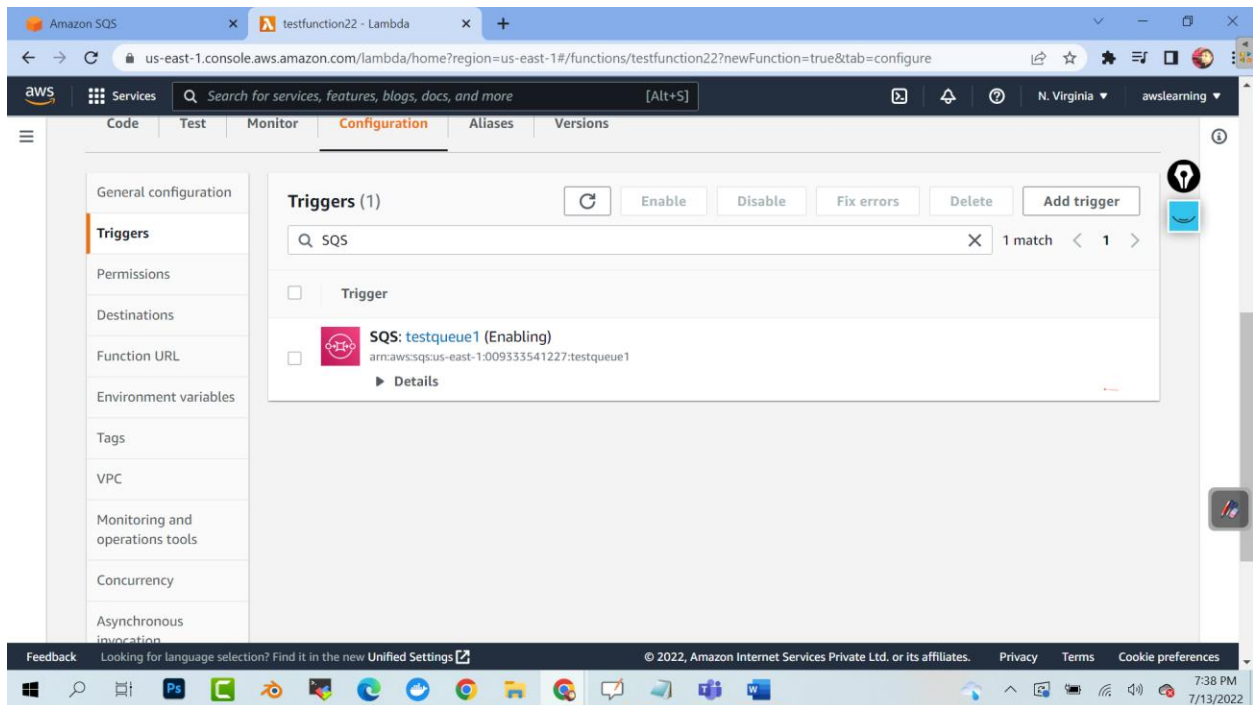
Create function

Configure

AWS SQS LAB

Create function

Click on SQS
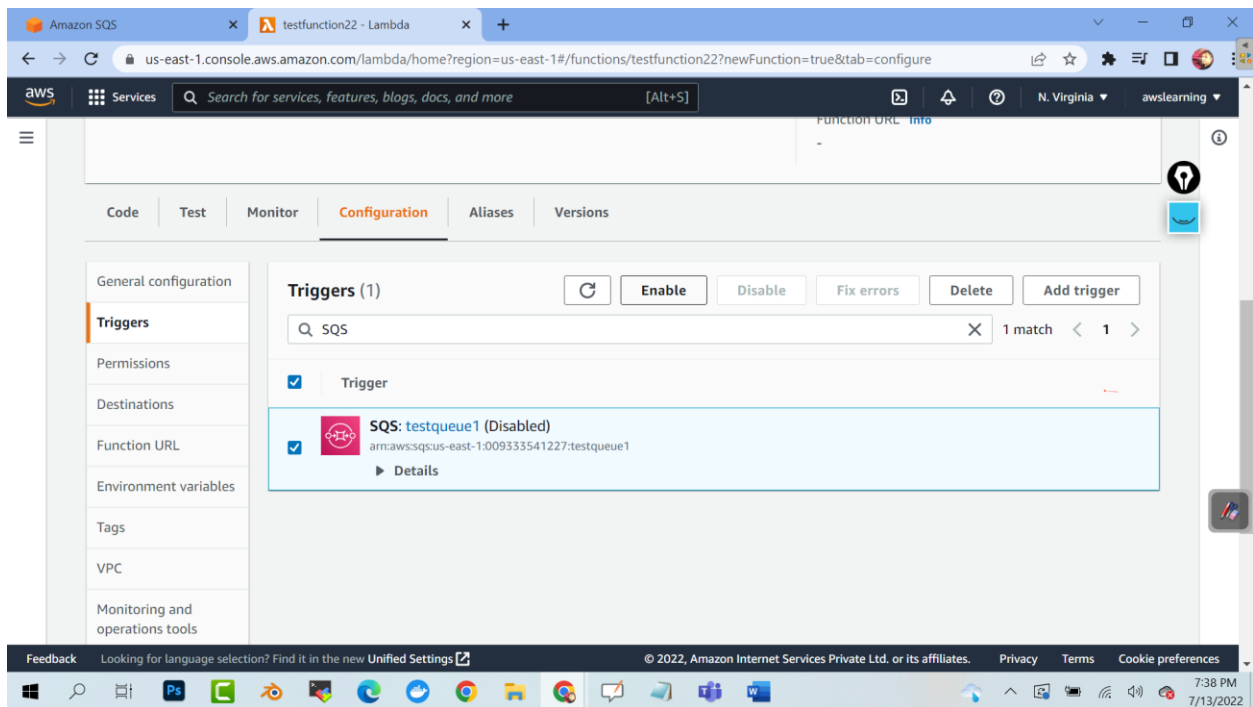
Select SQS and enable it

AWS SQS LAB

YOU WILL SEE THAT MESSAGE AVAILABLE IS NOW DIGESTED

AWS SQS LAB