**ACTIVITY-05(module-05)**

Sure, here are the steps to complete the challenge lab:

Open the **AWS Management Console in a new browser tab and navigate to the Amazon SNS console.**

Create a new topic named “ salesAnalysisReportTopic “ with a display name of SARTopic.

**Subscribe an email address to the salesAnalysisReportTopic topic**.

Confirm the subscription by clicking the link in the confirmation email.

**Note the ARN of the salesAnalysisReportTopic topic**.

In the AWS CLI, create the salesAnalysisReport Lambda function with the following command:

aws lambda create-function

--function-name salesAnalysisReport

--runtime python3.7

--zip-file fileb://salesAnalysisReport.zip

--handler salesAnalysisReport.lambda\_handler

--region <region>

--role <salesAnalysisReportRoleARN>

--environment Variables="{"topicARN":"<salesAnalysisReportTopic ARN>"}"

In the **Lambda console**, **add a trigger to the salesAnalysisReport** function using **EventBridge (CloudWatch Events)** with the following configuration:

Rule name: salesAnalysisReportDailyTrigger

Rule description: Triggers report generation on a daily basis

Rule type: Schedule expression

Schedule expression: cron(0 20 ? \* MON-SAT \*)

This schedules the event to be triggered at 8:00pm every day, Monday through Saturday in the UTC time zone.

Test the **salesAnalysisReport** function to ensure it is working correctly.

Check your email inbox to confirm that the report was sent.

Congratulations, you have successfully completed the challenge lab! You have created an SNS topic, subscribed an email address to it, and added a trigger to the salesAnalysisReport function to send the report every day at 8:00pm, Monday through Saturday.