Task#1:

Create a lambda function to start, stop and terminate a running EC2 instance. Also, verify the logs generated by the lambda in the Cloudwatch logs to check whether the lambda execution is done properly.

Task#2:

When you terminate an EC2 instance, a snapshot should be created from the EBS volume attached to the EC2 instance automatically and store it in an S3 bucket. Create a lambda function to automate the above.

Task#3:

Create a lambda function to send an email notification to your email id of your AWS account, as soon as you delete a file from an S3 bucket, mentioning the file name which is deleted.