# Lab 6 - AWS Lambda and Auto Scaling

# **Completion Screenshot**

## Item 1 (10 Marks)

#### AWS Lambda Lab Completion Screenshot

Please add at least one screenshot of your final step in the lab report. The screenshot(s) should clearly demonstrate the completion of the lab task.

#### Item 2 (10 Marks)

#### AWS Auto Scaling Lab Completion Screenshot

Please add at least one screenshot of your final step in the lab report. The screenshot(s) should clearly demonstrate the completion of the lab task.

### Item 3 - Lambda (40 Marks)

- 1. Which of the following are traits of the AWS Lambda console? (Select TWO)
  - a. It lets you link hardware-based servers across your company.
  - b. You can limit the amount of instance states needed to complete applications.
  - c. It lets you run code without managing servers.
  - d. You can set up your code to be automatically initiated from other Amazon Web Services (AWS) services.
- 2. Which of the following are instance states? (Select THREE)
  - a. Pending
  - b. Running
  - c. Stopping
  - d. Processing

- 3. Which of the following are steps in the process of creating a Lambda function in the Lambda console? (Select TWO)
  - a. The Creator lets you configure triggers and view permissions.
  - b. The Summary section shows the key information reported in the Log output section.
  - c. The Monitoring page shows graphs for the metrics that Lambda sends to Amazon CloudWatch.
  - d. The processor in your Lambda function receives and then processes the sample event.
- 4. Describe what is occurring during each of the following instance states: *pending*, *stopped*, and *terminated*.

# Item 4 - Auto Scaling in Cloud Environments (40 Marks)

- 1. Which of the following are functions of AWS Auto Scaling? (Select TWO)
  - a. Balance capacity across Availability Zones
  - b. Increase server memory on location
  - c. Monitor pricing of products sold
  - d. Monitor the health of running instances
- Which choices represent appropriate factors to monitor in an Auto Scaling group? (Select TWO)
  - a. GroupInstanceHealth
  - b. GroupDesiredPower
  - c. GroupDesiredCapacity
  - d. GroupTotalInstances

- 3. Which of the following is a function of AWS Auto Scaling?
  - a. Use machine learning (ML) to predict text
  - b. Replace impaired instances automatically
  - c. Apply ethics to decide artificial intelligence (AI) solutions
  - d. Automatically notify the customer of hacking
- 4. Describe a scenario where creating a dynamically scaling Auto Scaling group would be useful. Explain how the Auto Scaling group would help.