



CS 470 Module Four Assignment One Guidelines and Rubric

Overview

In this assignment, you will be creating and testing a Lambda. You will enhance it and validate that it works.

Prompt

The purpose of this assignment is to get you accustomed to creating and modifying Lambdas. Lambdas will be further explored in Module Five, as they are an integral part of the AWS ecosystem. Emphasis is placed on refactoring and testing the echo function.

Follow the instructions in the [CS 470 Module Four Assignment One Guide](#) to complete your tasks.

Specifically, you must address the following rubric criteria:

- Create the Lambda and produce a serverless compute function.
- Test the Lambda by creating and naming a test case.
- Create an echo function by refactoring the lambda.
- Test the echo function using a new case with the REST query parameter.

What to Submit

Produce and submit the following screenshots (or code) to Brightspace. They align with the steps in your assignment guide:

- First serverless compute function
- Execution results
- EchoWithQuery execution results
- Screenshot or JSON for the created test event “EchoWithQuery”
- Source code or screenshot for index.js (about 22 lines of code)

Module Four Assignment One Rubric

Criteria	Proficient (100%)	Needs Improvement (75%)	Not Evident (0%)	Value
Create Lambda	Authors a lambda	N/A	Does not attempt criterion	10
Test the Lambda	Creates a test case and names it	N/A	Does not attempt criterion	10
Create Echo Function	Refactors the code to return the values passed in through the REST query parameter	Shows progress toward proficiency, but with errors or omissions; areas for improvement may include failing to save the code correctly	Does not attempt criterion	40
Test the Echo Function	Tests execution results to confirm that the REST query parameters were created and successfully tests it to produce execution results	Shows progress toward proficiency, but with errors or omissions; areas for improvement may include malformed or incorrect JSON in the test criteria or failure to execute the test with the right test function	Does not attempt criterion	40
Total:				100%