

## Peer Review

### **Ashish Chouhan's Approach:**

- Task-1:

An IAM role with full access to S3 was created. The AWS Console was searched for IAM under the Access Management section. In the Roles section, the Create Role option was selected and AWS Service and EC2 were chosen. The AmazonS3FullAccess policy was searched and selected. The role name was added, and the role was created. An EC2 instance was then created with the aforementioned role. The AWS Console was searched for EC2 and the Launch Instance option was clicked. The instance was given a name and the appropriate configuration was selected. In the advanced details, the previously created IAM role was chosen, and the instance was launched.

- Task-2:

A custom role for a Lambda function was created. IAM was searched in the AWS Console under the Access Management section. The Roles section was selected and the Create Role option was clicked. AWS Service and Lambda were chosen. The CloudWatchLogsFullAccess policy was searched and selected. The role name was added, and the role was created. In the AWS Lambda console, a new Lambda function was created. The runtime was set to Python 3.x and a role with write access to S3 was selected. The provided code was copied and pasted into the inline code editor. The function was saved and a test event with event data was configured to test the function.

- Task-3:

In the AWS Lambda console, a new Lambda function was created. The runtime was set to Python 3.x and a role with write access to S3 was chosen. The provided code was copied and pasted into the inline code editor. The function was saved, and a test event with event data was configured to test the function.

## **Shishir Singh's Approach:**

### Task-1:

- Generated a role to store objects in an S3 bucket.
- Utilized the AWS GUI to set up an EC2 instance.
- Configured the AWS CLI for the user.
- Employed the AWS CLI to create an S3 bucket.

### Task-2:

- Implemented a `lambda_handler` function that created a dictionary and included the required key-value pairs.
- Appended a timestamp as a key with the current time as its value.
- Transformed the dictionary into JSON format.
- Ultimately, uploaded the JSON data to an S3 bucket named 'shishir-aws'.

### Task-3:

- Developed a lambda function to retrieve data from an API.
- Converted the acquired data into JSON format and stored it in an S3 bucket.
- Returned the status code and filename as a response.