

Lab 2 - Cloud Computing

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Instructions

1. src/emse package contains all the code related to the project.
2. emse package is divided into subpackages in accordance with the tasks given.
3. Each class is runnable seperately by manually passing the argument needed to run the class.

```
-> as task1_a  
-> as task1_b  
-> as task2_a  
-> as task2_b
```

RESULTS :

Task 1A :

Mnual Initialization: defining ec2, name and amiId accordingly.

Result:

```
EC2 Instance has been created successfully.  
Instance ID: i-05613eea6c00c8e06  
argahsuknesib@pop-os:~/Code/Lab2-CloudComputing$
```

Task 1B :

Mnual Initialization: defining ec2, name and amiId accordingly.

Result:

```
EC2 Instance has been created successfully.  
Instance ID: i-0f65f7a3610993873  
ami ID:      ami-04902260ca3d33422
```

Please wait a little bit...

```
Instance state: stopped ==>  
Successfully started instance i-0f65f7a3610993873
```

Task 2A - A :

Mnual Initialization: defining s3, bucketName accordingly.

Result:

```
HeadBucketResponse()
bucket.emse.cloud.project.final has been created
argahsuknesib@pop-os:~/Code/Lab2-CloudComputing$ _
```

Task 2A - B :

Mnual Initialization: defining s3, bucketName, objectKey, objectPath accordingly.

Result:

```
Putting object values.csv into bucket bucket.emse.cloud.project
in bucket: bucket.emse.cloud.project
```

Task 2A - C :

Mnual Initialization: defining sqsClient, queueName accordingly.

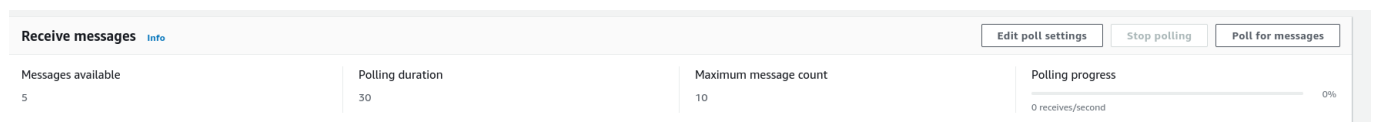
Result:

```
Create Queue
Get queue url
List Queues
https://sqs.us-east-1.amazonaws.com/915818437072/queue1
argahsuknesib@pop-os:~/Code/Lab2-CloudComputing$ _
```

Task 2A - D :

Mnual Initialization: defining sqsClient, queueName, message accordingly.

Result:



Task 2B - A:

Mnual Initialization: defining Url, sqsClient accordingly.

Result:

```
bucket name: bucket.emse.cloud.project.final
file name: values.csv
argahsuknesib@pop-os:~/Code/Lab2-CloudComputing$
```

Task 2B - B :

Mnual Initialization: defining sqsClient, Url, messages accordingly.

Result:

```
All messages has been deleted
```

```
Queue has been deleted
```

```
argahsuknesib@pop-os:~/Code/Lab2-CloudComputing$ _
```

Task 2B - C & D :

Mnual Initialization: defining s3,bucketName,keyName, path accordingly.

Result:

```
Successfully obtained bytes from an S3 object
```

```
Average = 505
```

```
Minimum = 2
```

```
Maximum = 998
```

```
argahsuknesib@pop-os:~/Code/Lab2-CloudComputing$
```

Task 2B - E:

Mnual Initialization: defining s3,bucket accordingly.

Result:

```
-----
The bucket has been deleted.
```

```
argahsuknesib@pop-os:~/Code/Lab2-CloudComputing$
```