

Tutorial – 8 (Group 8)

Group Members-

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After modifying Response.java object so that the Encode function produces the following JSON output-

```
deeksha@deeksha:~/tc5562/encode/SAAF/java_template/test$ ./Cipher_client.sh
Invoking Lambda function using API Gateway

real    0m0.568s
user    0m0.030s
sys      0m0.020s
JSON RESULT FOR ENCODING:
{
  "msg": "CobfobvoccMywzedsxqGsdrPkkC",
  "encodeTime": 0,
  "shift": 10,
  "runtime": 1,
  "lang": "java",
  "version": 0.31,
  "value": "CobfobvoccMywzedsxqGsdrPkkC",
  "frameworkRuntime": 0
}

real    0m0.831s
user    0m0.036s
sys      0m0.009s
JSON RESULT FOR DECODING:
{
  "msg": "CobfobvoccMywzedsxqGsdrPkkC",
  "shift": 10,
  "decodeTime": 0,
  "runtime": 232,
  "lang": "java",
  "version": 0.31,
  "value": "ServerlessComputingWithFaaS",
  "frameworkRuntime": 0
}
```

After running *callstatemachine.sh* –

```
deeksha@deeksha:~/tc5562/encode/SAAF/java_template/test$ ./callstepfunction.sh
arn:aws:states:us-east-1:323230709869:execution:Deeksha_State_Machine:e6b9b4de-7434-428f-8df5-39b9b46f7374
{
  "Messages": [
    {
      "MessageId": "cf5fa7c9-99d0-44bc-b51e-66e17499ff29",
      "ReceiptHandle": "AQEB3rsbvDPdxUU0Dk2mG9KzWa9H0y5tmThdlhrzAPspUBMXo3RDkXjy0z+hPeATcksCSqCkUxbGkF11kaPnI6eN6VeTG+uWG0bu+1T+zb/ZTt8fsNjflaP8p33KVhwVlwmGwpuK1RkWKURBQ9gxCNUOrWVzCffkhl8TongnBk07XkdGRQjRu7tYyaqq2bJEw/ZugMFmbJCSqbwJuOgwZx4UYw91UaaMRXluJ0i438Xb8tvhSfZV8pvvjNuB58LkrUInMCeq0/oblbrIOcih69rLA9a3jBwkvLFh59PZkkAZNnativMMzrvwZnsj+wUq5xUYCu3h0t7AvqA7eBxuJJG9QyG5oQDsFk4wEXNrbuGSW8wIIHZPMwpcqmUS2tfKeJv",
      "MD5OfBody": "c9238570448559a5ea1834481ae6a475",
      "Body": "NEW-SQS-43- ServerlessComputingWithFaaS"
    }
  ]
}
```

Verifying Encode :

Code

Step details

| Name | Type |
|--------|------|
| Encode | Task |

Status

✔ Succeeded

Resource

[arn:aws:lambda:us-east-1:323230709869:function:encode](#) | [CloudWatch logs](#)

▼ Input

```
{
  "msg": "NEW-SQS-44-ServerlessComputingWithFaaS",
  "shift": 22
}
```

▼ Output

```
{
  "msg": "JAS-OM0-44-0anranhaoYkilqpejcSepdBww0",
  "encodeTime": 1,
  "shift": 22,
  "runtime": 65,
  "lang": "java",
  "version": 0.31,
  "value": "JAS-OM0-44-0anranhaoYkilqpejcSepdBww0",
  "frameworkRuntime": 0
}
```

► Exception

Output from encode is given to decode---

Verifying Decode:

Code

Step details

| Name | Type |
|--------|------|
| Decode | Task |

Status

✔ Succeeded

Resource

[arn:aws:lambda:us-east-1:323230709869:function:decode](#) | [CloudWatch logs](#)

▼ Input

```
{
  "msg": "JAS-OM0-44-0anranhaoYkilqpejcSepdBww0",
  "encodeTime": 1,
  "shift": 22,
  "runtime": 65,
  "lang": "java",
  "version": 0.31,
  "value": "JAS-OM0-44-0anranhaoYkilqpejcSepdBww0",
  "frameworkRuntime": 0
}
```

▼ Output

```
{
  "msg": "JAS-OM0-44-0anranhaoYkilqpejcSepdBww0",
  "shift": 22,
  "decodeTime": 0,
  "runtime": 254,
  "lang": "java",
  "version": 0.31,
  "value": "NEW-SQS-44-ServerlessComputingWithFaaS",
  "frameworkRuntime": 0
}
```

► Exception

Final output:

| Execution details | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Execution Status</p> <p>✔ Succeeded</p> <p>Execution ARN</p> <p>arn:aws:statesus-east-1:323230709869:execution:Deeksha_State_Machine:e6b9b4de-7434-428f-8df5-39b9b46f7374</p> <p>▼ Input</p> <pre>{ "msg": "NEW-SQS-44-ServerlessComputingWithFaaS", "shift": 22 }</pre> | <p>Started</p> <p>Nov 30, 2019 10:46:50.032 PM</p> <p>End Time</p> <p>Nov 30, 2019 10:46:51.323 PM</p> <p>▼ Output</p> <pre>{ "msg": "JAS-OWD-44-0anranhaoYkilpejcSepdBww0", "shift": 22, "decodeTime": 0, "runtime": 254, "lang": "java", "version": 0.31, "value": "NEW-SQS-44-ServerlessComputingWithFaaS", "frameworkRuntime": 0 }</pre> |