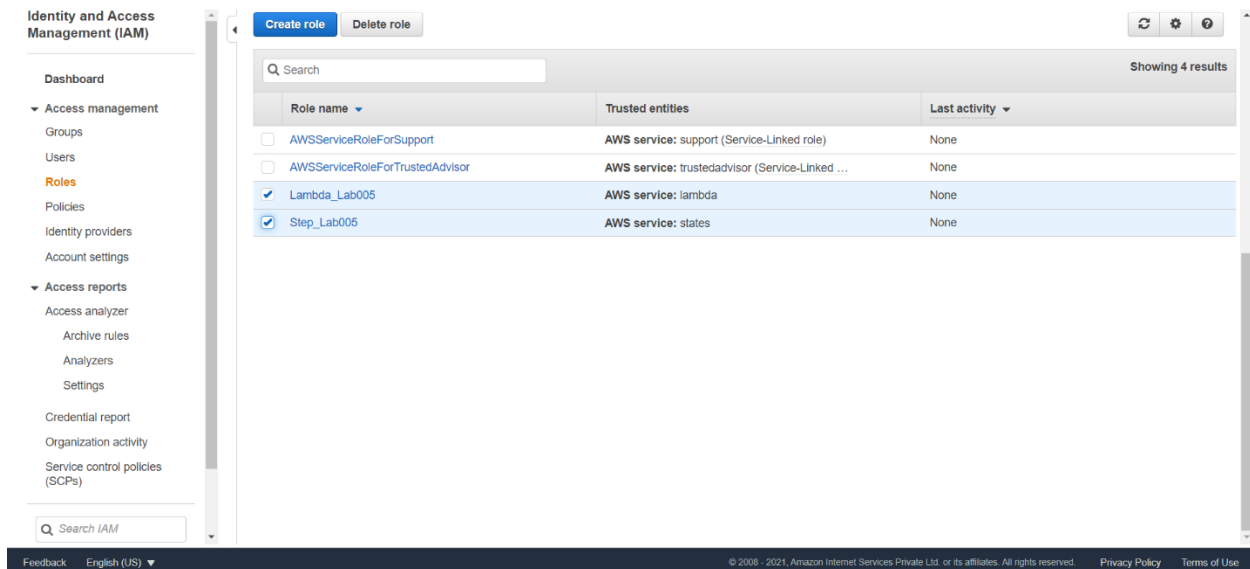
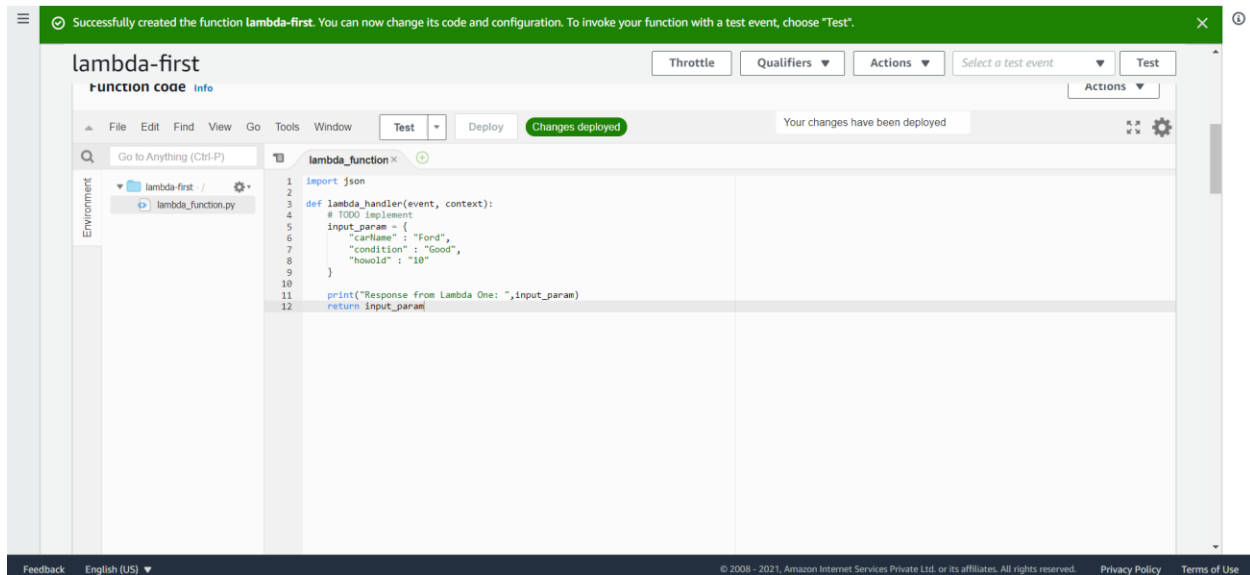


AWS Step Function

Creating two Roles, one for the Lambda functions and one for the Step Function.



Content of the Lambda functions (First Function)



Second Function

Successfully created the function **lambda-two**. You can now change its code and configuration. To invoke your function with a test event, choose "Test".

lambda-two

function code [Info](#)

Throttle Qualifiers Actions Select a test event Test

File Edit Find View Go Tools Window Test Deploy Changes deployed

Go to Anything (Ctrl-P)

Environment

- lambda-two /
- lambda_function.py

```
1 import json
2
3 def lambda_handler(event, context):
4     # TODO implement
5     carName = event['carName']
6     condition = event['condition']
7     howold = event['howold']
8
9     price = getCarPrice(carName, condition, howold)
10    print("Car Price: ", price)
11
12    return {
13        "carName": carName,
14        "condition": condition,
15        "howold": howold,
16        "price": price
17    }
18
19 def getCarPrice(carName, condition, howold):
20    print(carName, " ", condition, " ", howold)
21
22    if(int(howold)<=5):
23        return "7 lakh"
24
25    elif(int(howold)==5):
26        return "5 lakh"
27
28    else:
29        return "3 lakh"
```

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Setting up the Step Function

Definition

Define your workflow using [Amazon States Language](#). Refresh the graph to render the definition.

Generate code snippet Format JSON

```
1 {
2     "Comment": "A Hello World example of the Amazon States Language using Pass states",
3     "StartAt": "First",
4     "States": {
5         "First": {
6             "Type": "Task",
7             "Resource": "arn:aws:lambda:ap-south-1:389684444272:function:lambda-first",
8             "Next": "Second"
9         },
10        "Second": {
11            "Type": "Task",
12            "Resource": "arn:aws:lambda:ap-south-1:389684444272:function:lambda-two",
13            "End": true
14        }
15    }
16 }
```

Start First Second End

Cancel Next

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This step function has a basic architecture and follows Lambda 1 -> Lambda 2 approach in a sequential manner.

Step Function created

The screenshot shows the AWS Step Functions console with a green notification banner at the top stating "State machine successfully created". The left sidebar contains links for "Step Functions", "State machines", "Activities", "Feature spotlight", and "Join our feedback panel". The main content area displays the details for "MyStateMachine".

Details

ARN arn:aws:states:ap-south-1:389684444272:stateMachine:MyStateMachine	Type Standard
IAM role ARN arn:aws:iam::389684444272:role/Step_Lab005	Creation date Feb 17, 2021 11:27:49.821 AM

Below the details, there are tabs for "Executions", "Logging", "Definition", and "Tags". The "Executions" tab is active, showing a table with columns: Name, Status, Started, and End Time. The table is currently empty, with a message "No executions" displayed. Above the table, there are buttons for "Start execution", "Stop execution", and "View details".

URL: <https://ap-south-1.console.aws.amazon.com/states/home?region=ap-south-1#/homepage>

Execution - Without any explicit input

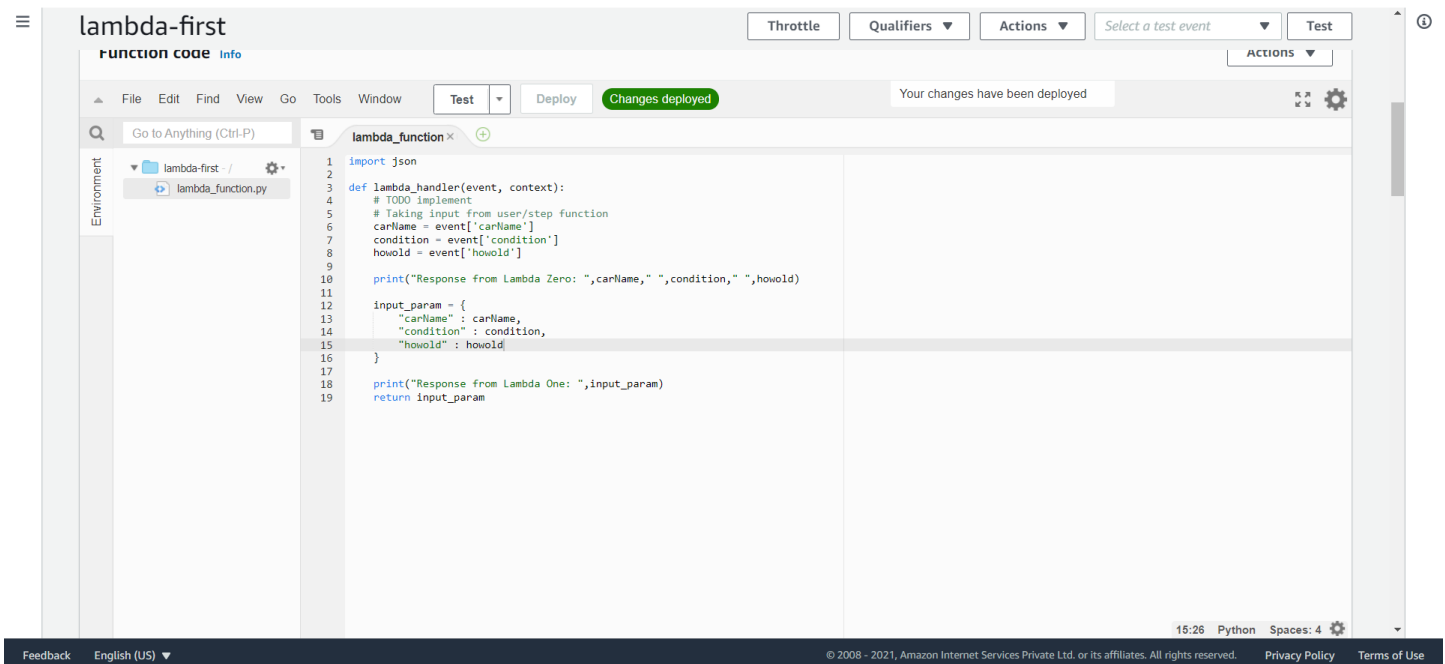
The screenshot shows the "Graph inspector" view in the AWS Step Functions console. On the left, there is a vertical flow diagram with nodes: "Start" (yellow circle), "First" (green rectangle), "Second" (green rectangle), and "End" (yellow circle). Arrows indicate the flow from Start to First, First to Second, and Second to End. On the right, there are tabs for "Details", "Step input", and "Step output". The "Step output" tab is active, displaying a JSON object:

```
1 {  
2   "carName": "Ford",  
3   "condition": "Good",  
4   "howold": "10"  
5 }
```

At the bottom, there is a legend for execution status: In Progress (blue square), Succeeded (green square), Failed (red square), Cancelled (grey square), and Caught Error (orange square).



Changing the Lambda function to take manual inputs



The Manual Input

Start execution ×

Start an execution using the latest definition of the state machine. [Learn more](#)

Name - optional

Input - optional
Enter input values for this execution in JSON format

```
1 {  
2   "carName" : "Honda",  
3   "condition" : "Good",  
4   "howold" : "4"  
5 }
```

☐ Open in a new browser tab

Cancel Start execution

Output

