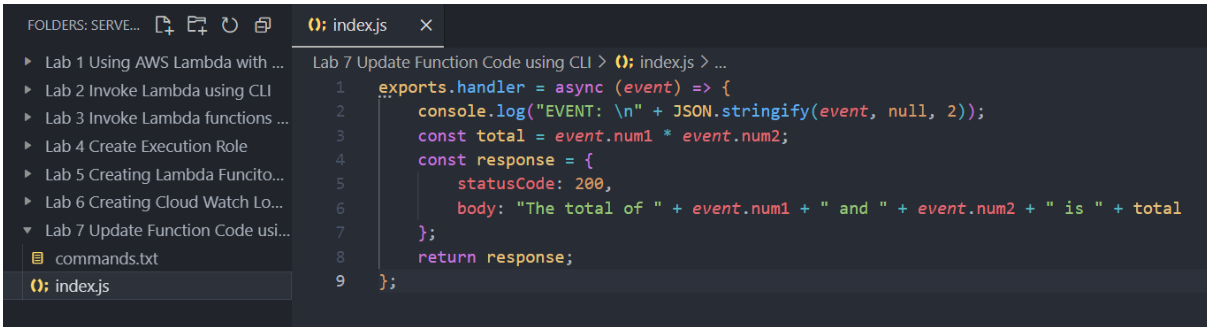
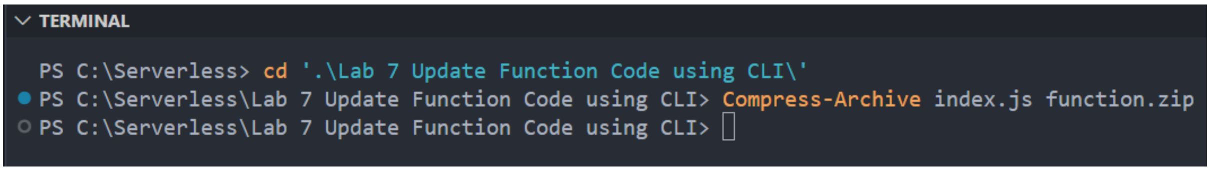
😊 Update Lambda Function Code using CLI

1. In this lab we are going to update the code in our Lambda function.
2. First, we created the folder in VS Code then created a commands text file in it then we created another file index.js to update the function code as you can see below.
3. Now we will run the command to convert this file into a zip file.


FOLDERS: SERVE...
index.js
Lab 1 Using AWS Lambda with ...
Lab 2 Invoke Lambda using CLI
Lab 3 Invoke Lambda functions ...
Lab 4 Create Execution Role
Lab 5 Creating Lambda Funcito...
Lab 6 Creating Cloud Watch Lo...
Lab 7 Update Function Code usi...
commands.txt
index.js
Lab 7 Update Function Code using CLI > index.js > ...

```
exports.handler = async (event) => {
    console.log("EVENT: \n" + JSON.stringify(event, null, 2));
    const total = event.num1 * event.num2;
    const response = {
        statusCode: 200,
        body: "The total of " + event.num1 + " and " + event.num2 + " is " + total
    };
    return response;
};
```

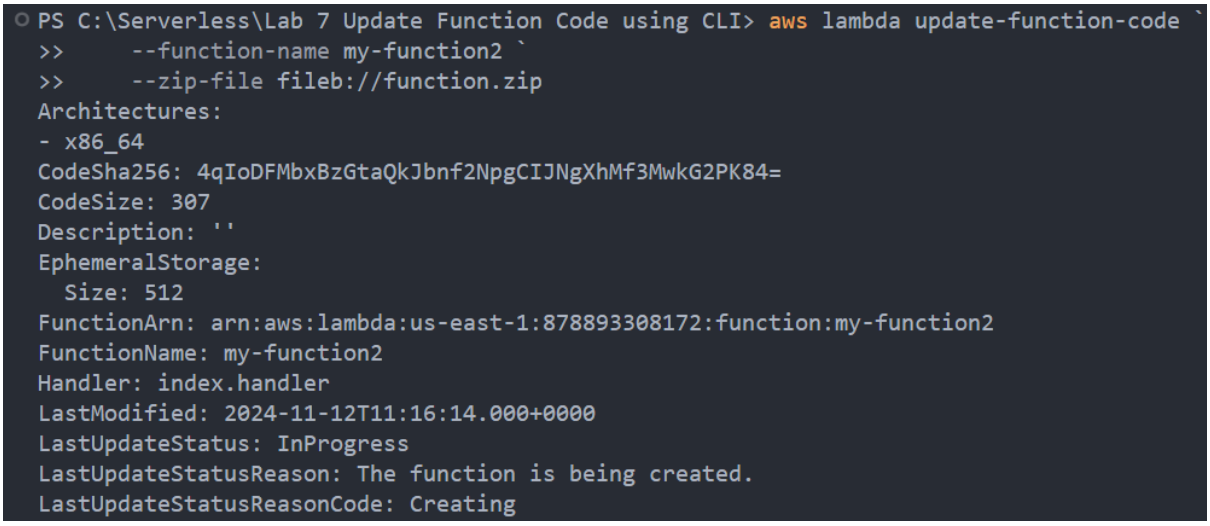
4. For that first we need to go inside the lab folder and we run the compress command to convert the index.js file into a zip file.



```
PS C:\Serverless> cd '.\Lab 7 Update Function Code using CLI\'
PS C:\Serverless\Lab 7 Update Function Code using CLI> Compress-Archive index.js function.zip
PS C:\Serverless\Lab 7 Update Function Code using CLI>
```

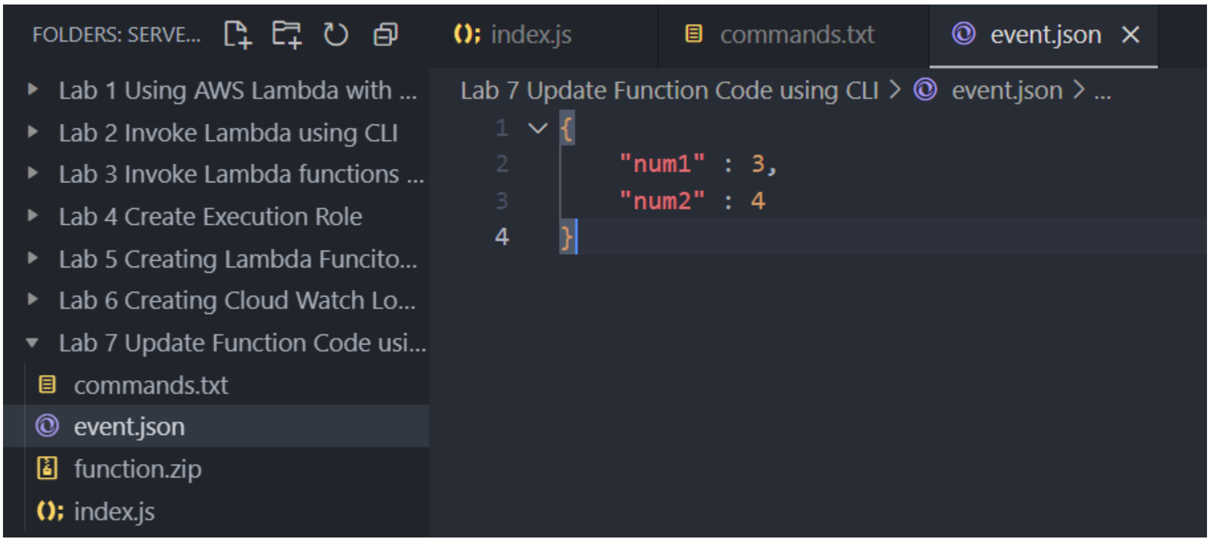
5. By using the command given below we will update our lambda function and after updating our function we will invoke it to check the latest CloudWatch logs.

   aws lambda update-function-code `
   --function-name my-function2 `
   --zip-file fileb://function.zip



```
PS C:\Serverless\Lab 7 Update Function Code using CLI> aws lambda update-function-code `
>>     --function-name my-function2 `
>>     --zip-file fileb://function.zip
Architectures:
- x86_64
CodeSha256: 4qIoDFMbxBzGtaQkJbnf2NpgCIJNgXhMf3MwkG2PK84=
CodeSize: 307
Description: ''
EphemeralStorage:
  Size: 512
FunctionArn: arn:aws:lambda:us-east-1:878893308172:function:my-function2
FunctionName: my-function2
Handler: index.handler
LastModified: 2024-11-12T11:16:14.000+0000
LastUpdateStatus: InProgress
LastUpdateStatusReason: The function is being created.
LastUpdateStatusReasonCode: Creating
```

6. Once your function code has been updated now you can run the invoke command. So, to the invoke command first, we will need an event.json file.
7. Create an event.json file then write the code to invoke your function and save the file.


FOLDERS: SERVE...
index.js
commands.txt
event.json
Lab 1 Using AWS Lambda with ...
Lab 2 Invoke Lambda using CLI
Lab 3 Invoke Lambda functions ...
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Lab 7 Update Function Code usi...
commands.txt
event.json
function.zip
index.js
Lab 7 Update Function Code using CLI > event.json > ...

```json
{
    "num1" : 3,
    "num2" : 4
}
```

8. Now run the below command to invoke your function and move to CloudWatch logs. Below you can see that we get the status code 200 which means which means that our function was invoked properly.

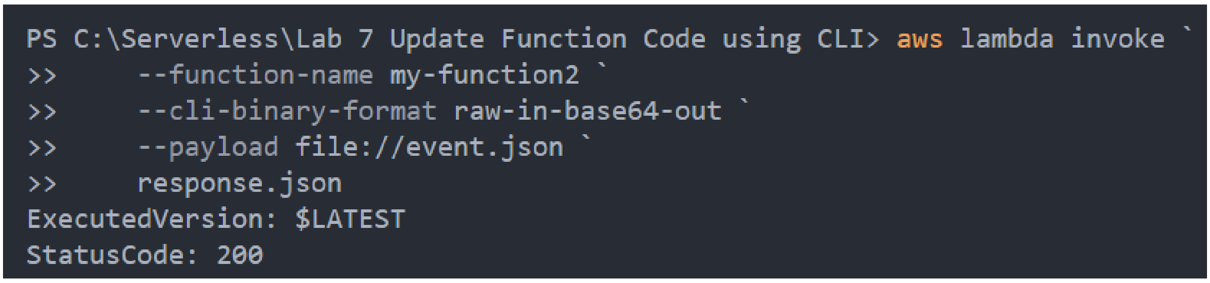
   aws lambda invoke `

   --function-name my-function2 `

   --cli-binary-format raw-in-base64-out `

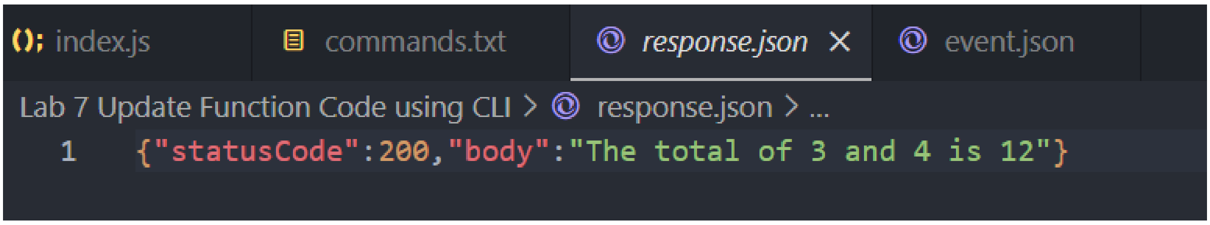
   --payload file://event.json `

   response.json



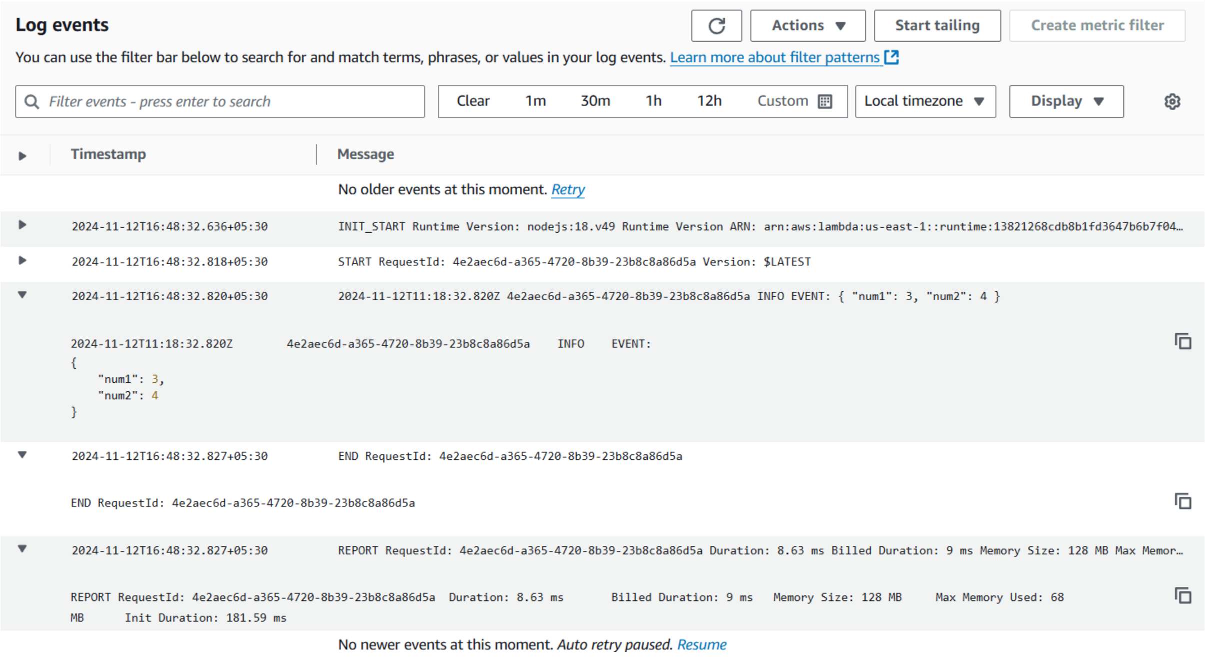
```
PS C:\Serverless\Lab 7 Update Function Code using CLI> aws lambda invoke `
>>     --function-name my-function2 `
>>     --cli-binary-format raw-in-base64-out `
>>     --payload file://event.json `
>>     response.json
ExecutedVersion: $LATEST
StatusCode: 200
```

9. Also, in the VS code if you go to the response.json file you will see that you get the response as expected.



```json
{"statusCode":200,"body":"The total of 3 and 4 is 12"}
```

10. Now go to CloudWatch logs and open the latest log stream. In the log events you can see the we get the result.



Log events

You can use the filter bar below to search for and match terms, phrases, or values in your log events. Learn more about filter patterns

No older events at this moment. *Retry*

```
2024-11-12T16:48:32.636+05:30    INIT_START Runtime Version: nodejs:18.v49 Runtime Version ARN: arn:aws:lambda:us-east-1::runtime:13821268cdb8b1fd3647b6b7f04…
2024-11-12T16:48:32.818+05:30    START RequestId: 4e2aec6d-a365-4720-8b39-23b8c8a86d5a Version: $LATEST
2024-11-12T16:48:32.820+05:30    2024-11-12T11:18:32.820Z 4e2aec6d-a365-4720-8b39-23b8c8a86d5a INFO EVENT: { "num1": 3, "num2": 4 }

2024-11-12T11:18:32.820Z       4e2aec6d-a365-4720-8b39-23b8c8a86d5a    INFO    EVENT:
{
    "num1": 3,
    "num2": 4
}

2024-11-12T16:48:32.827+05:30    END RequestId: 4e2aec6d-a365-4720-8b39-23b8c8a86d5a

END RequestId: 4e2aec6d-a365-4720-8b39-23b8c8a86d5a

2024-11-12T16:48:32.827+05:30    REPORT RequestId: 4e2aec6d-a365-4720-8b39-23b8c8a86d5a Duration: 8.63 ms Billed Duration: 9 ms Memory Size: 128 MB Max Memor…

REPORT RequestId: 4e2aec6d-a365-4720-8b39-23b8c8a86d5a  Duration: 8.63 ms       Billed Duration: 9 ms   Memory Size: 128 MB     Max Memory Used: 68
MB      Init Duration: 181.59 ms
```

No newer events at this moment. *Auto retry paused.* Resume