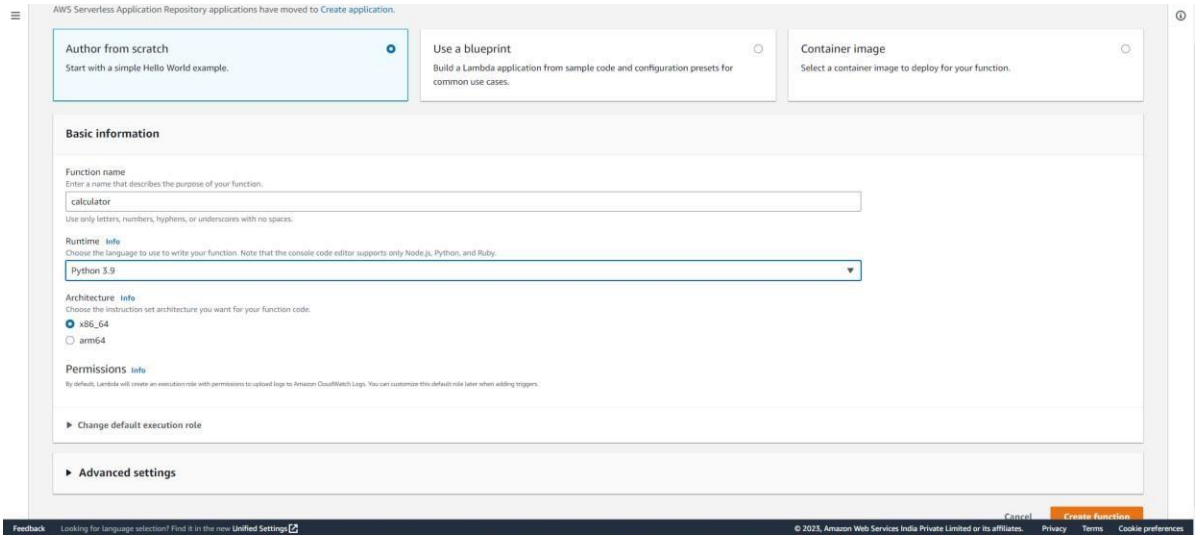
LAB-4

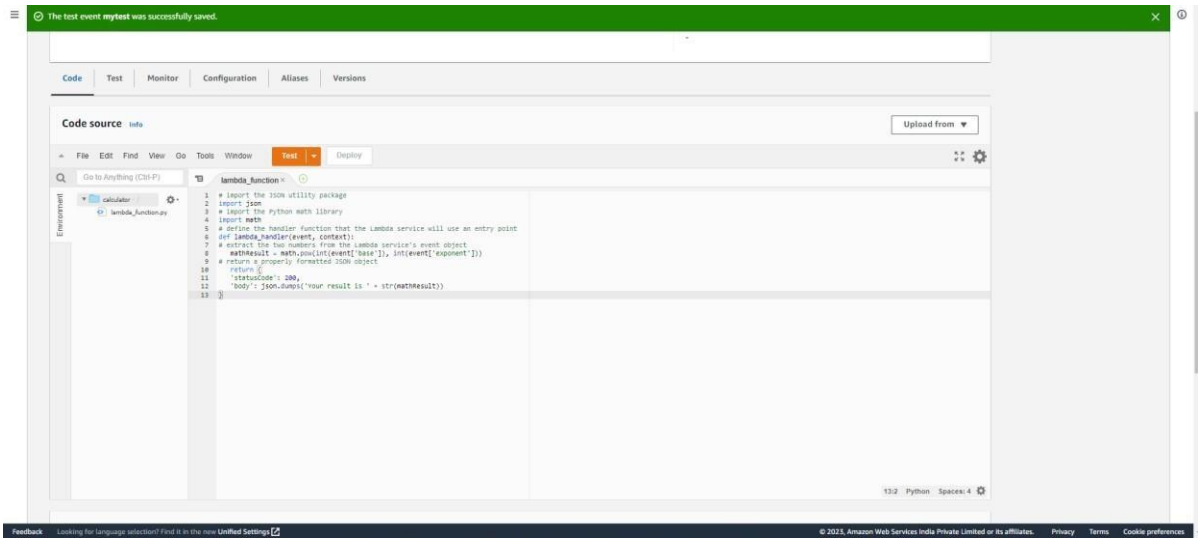
NAME: K.Nitin reddy

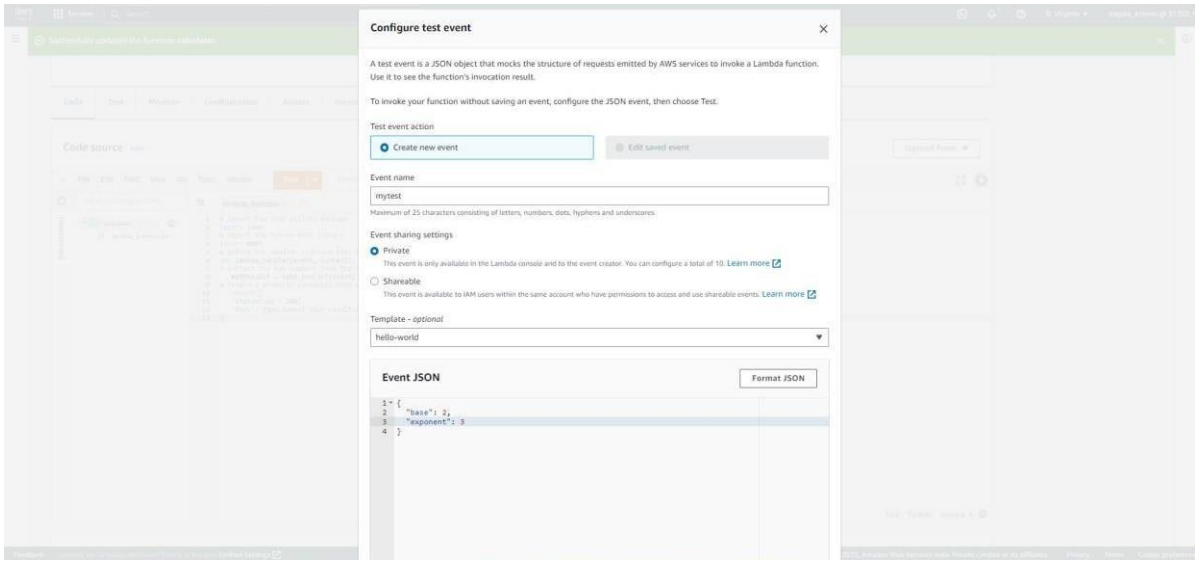
ID:2000030510

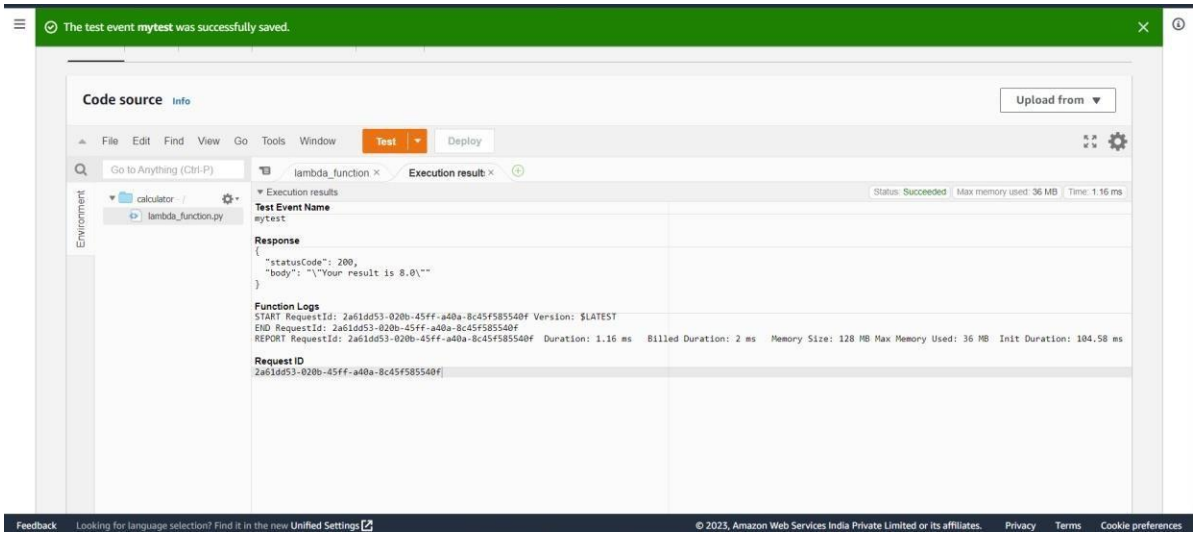
SECNO: 13

Understand the basics of Lambda and Create your first lambda function in Python, Java, Node.Js






Configure test event
A test event is a JSON object that mocks the structure of requests emitted by AWS services to invoke a Lambda function. Use it to see the function's invocation result.
To invoke your function without saving an event, configure the JSON event, then choose Test.
Test event action
Create new event
Edit saved event
Event name
mytest
Maximum of 25 characters consisting of letters, numbers, dots, hyphens and underscores.
Event sharing settings
Private
This event is only available in the Lambda console and to the event creator. You can configure a total of 10. Learn more
Shareable
This event is available to IAM users within the same account who have permissions to access and use shareable events. Learn more
Template - optional
hello-world
Event JSON
Format JSON
{
"base": 2,
"exponent": 3
}


The test event mytest was successfully saved.
Code source Info
Upload from
File Edit Find View Go Tools Window
Test
Deploy
Go to Anything (Ctrl-P)
lambda_function
Execution result
Environment
calculator
lambda_function.py
Execution results
Status: Succeeded
Max memory used: 36 MB
Time: 1.16 ms
Test Event Name
mytest
Response
{
"statusCode": 200,
"body": "\"Your result is 8.0\""
}
Function Logs
START RequestId: 2a61dd53-020b-45ff-a40a-8c45f585540f Version: $LATEST
END RequestId: 2a61dd53-020b-45ff-a40a-8c45f585540f
REPORT RequestId: 2a61dd53-020b-45ff-a40a-8c45f585540f Duration: 1.16 ms Billed Duration: 2 ms Memory Size: 128 MB Max Memory Used: 36 MB Init Duration: 104.58 ms
Request ID
2a61dd53-020b-45ff-a40a-8c45f585540f
Feedback
Looking for language selection? Find it in the new Unified Settings
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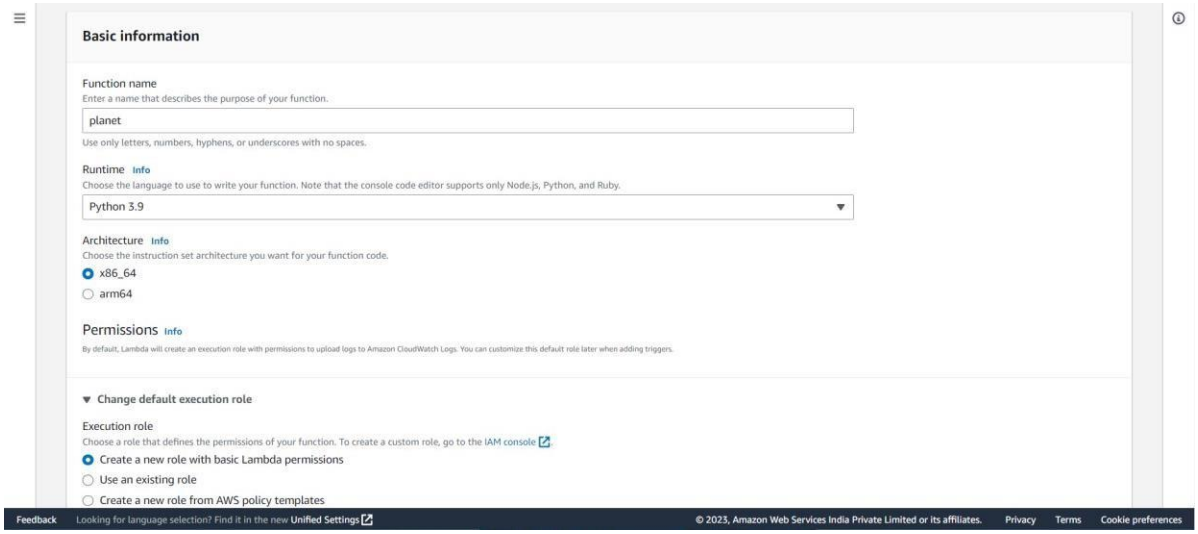
Basic information
Function name
Enter a name that describes the purpose of your function.
planet
Use only letters, numbers, hyphens, or underscores with no spaces.
Runtime Info
Choose the language to use to write your function. Note that the console code editor supports only Node.js, Python, and Ruby.
Python 3.9
Architecture Info
Choose the instruction set architecture you want for your function code.
x86_64
arm64
Permissions Info
By default, Lambda will create an execution role with permissions to upload logs to Amazon CloudWatch Logs. You can customize this default role later when adding triggers.
Change default execution role
Execution role
Choose a role that defines the permissions of your function. To create a custom role, go to the IAM console.
Create a new role with basic Lambda permissions
Use an existing role
Create a new role from AWS policy templates
Feedback
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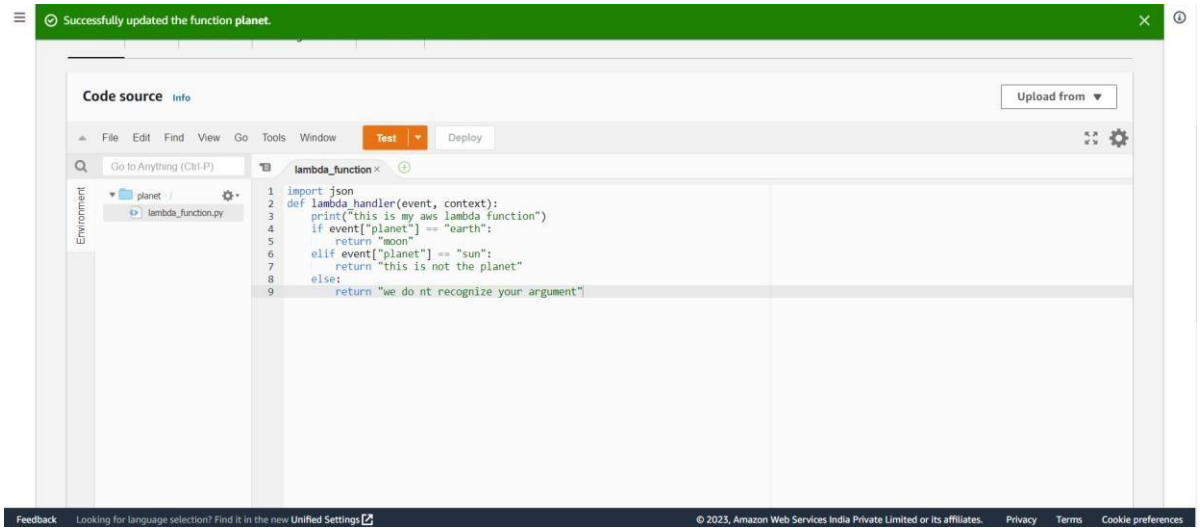
Successfully updated the function planet.
Code source Info
Upload from
File Edit Find View Go Tools Window
Test
Deploy
Go to Anything (Ctrl-P)
lambda_function
Environment
planet
lambda_function.py
import json
def lambda_handler(event, context):
print("this is my aws lambda function")
if event["planet"] == "earth":
return "moon"
elif event["planet"] == "sun":
return "this is not the planet"
else:
return "we do nt recognize your argument"
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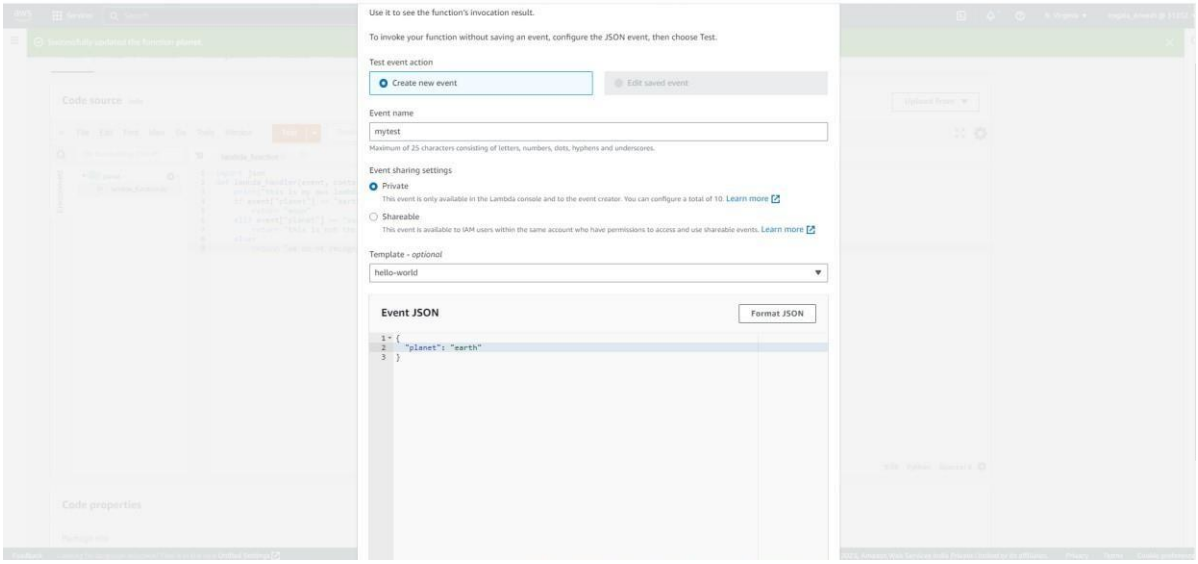
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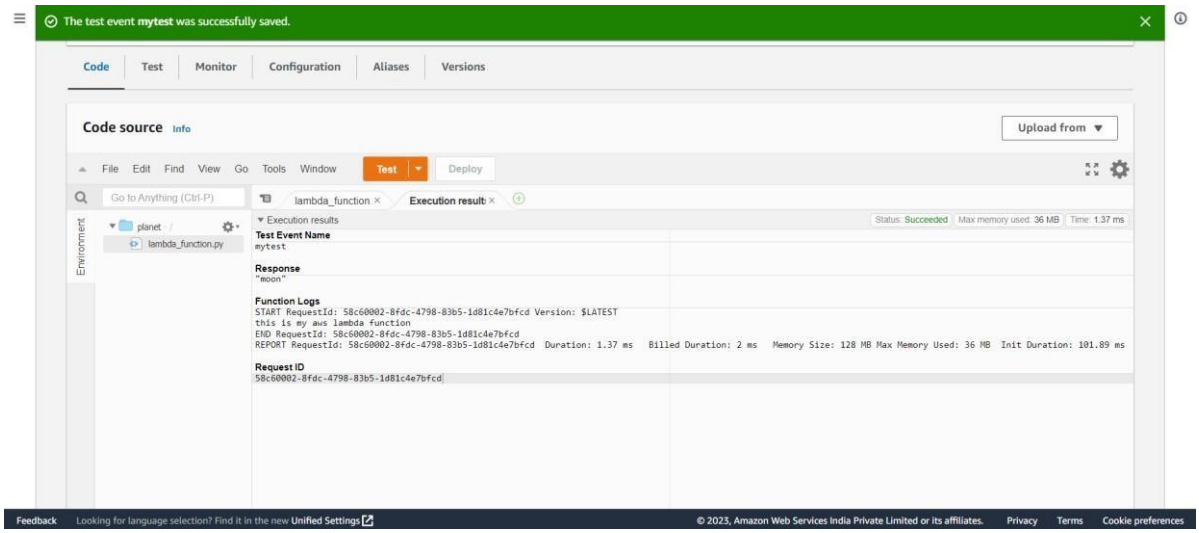
Template - optional
hello-world
Event JSON
Format JSON
{
"planet": "earth"
}


The test event mytest was successfully saved.
Code
Test
Monitor
Configuration
Aliases
Versions
Code source Info
Upload from
File Edit Find View Go Tools Window
Test
Deploy
Go to Anything (Ctrl-P)
lambda_function
Execution result
Environment
planet
lambda_function.py
Execution results
Status: Succeeded
Max memory used: 36 MB
Time: 1.37 ms
Test Event Name
mytest
Response
"moon"
Function Logs
START RequestId: 58c60002-8fdc-4798-83b5-1d81c4e7bfcd Version: $LATEST
this is my aws lambda function
END RequestId: 58c60002-8fdc-4798-83b5-1d81c4e7bfcd
REPORT RequestId: 58c60002-8fdc-4798-83b5-1d81c4e7bfcd Duration: 1.37 ms Billed Duration: 2 ms Memory Size: 128 MB Max Memory Used: 36 MB Init Duration: 101.89 ms
Request ID
58c60002-8fdc-4798-83b5-1d81c4e7bfcd
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