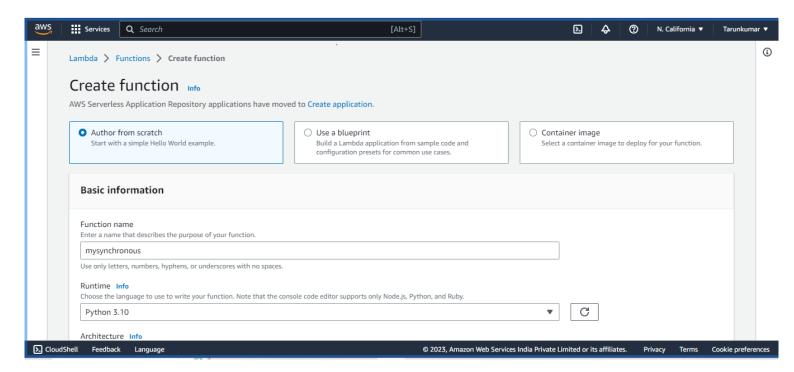
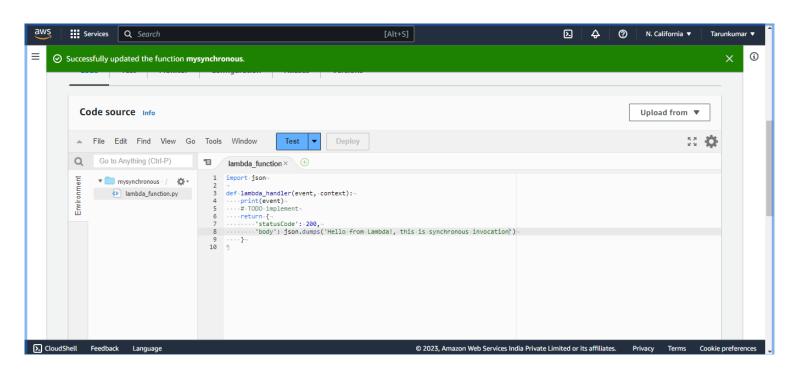
# **SYNCHRONOUS INVOCATION**

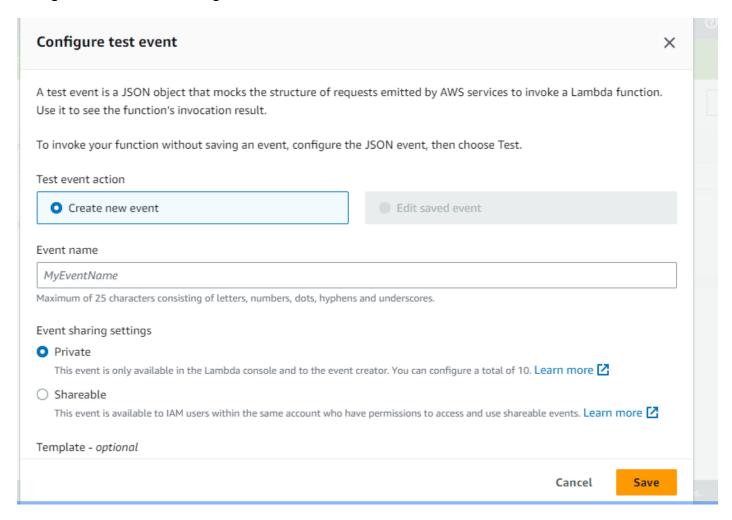
Go to lambda from the console. Create a lambda function



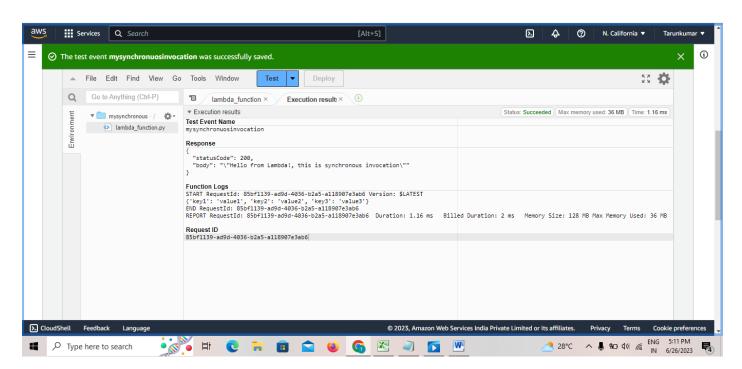
Select python 3.10 runtime environment. Deploy the code and test



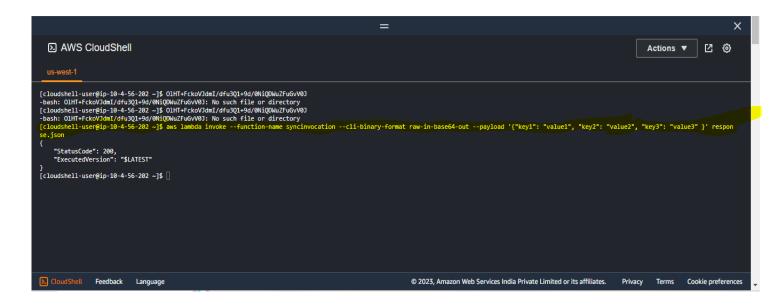
#### Configure test event for testing the code



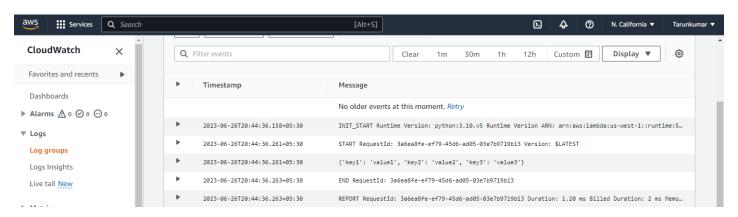
#### Test is successful.



Open cloudshell and trigger the lambda. The below highlighted code is used to trigger the lambda function.

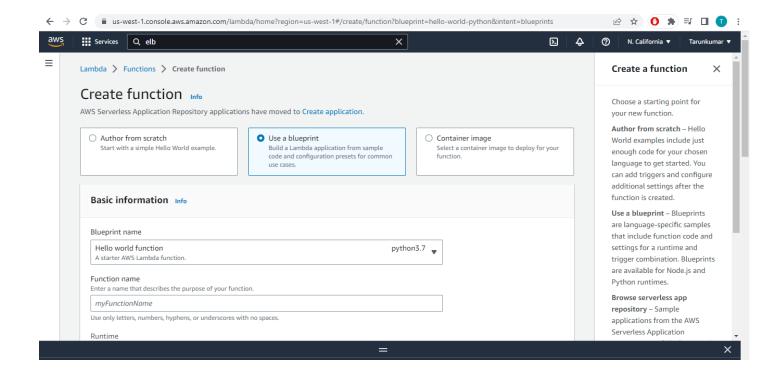


Now the lambda has started running. The trigger logs can be monitored using cloudwatch

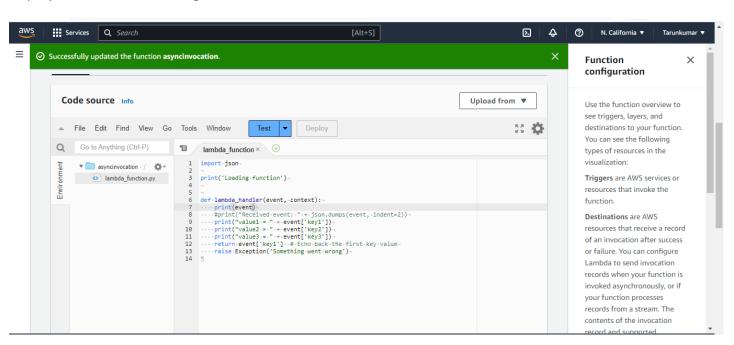


# **ASYNCHRONOUS INVOCATION**

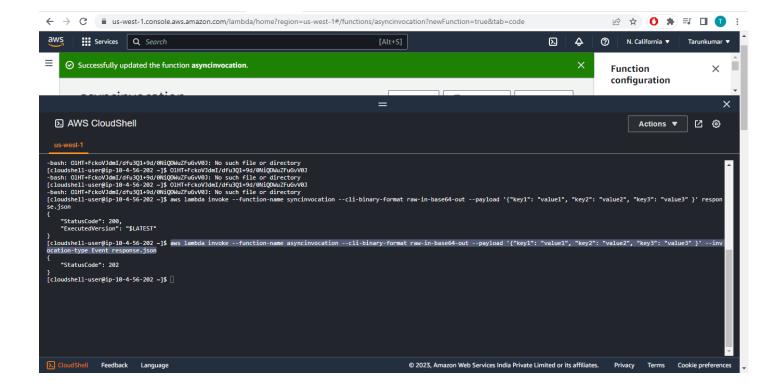
#### Create a lambda function. Use a sample code



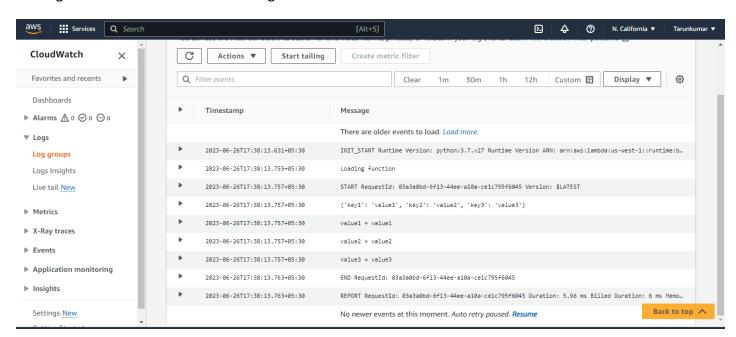
### Deploy and test the following code



Invoke the lambda function through cloudshell with the help of the following command- (aws lambda invoke --function-name asyncinvocation --cli-binary-format raw-in-base64-out --payload '{"key1": "value1", "key2": "value2", "key3": "value3" }' --invocation-type Event response.json)

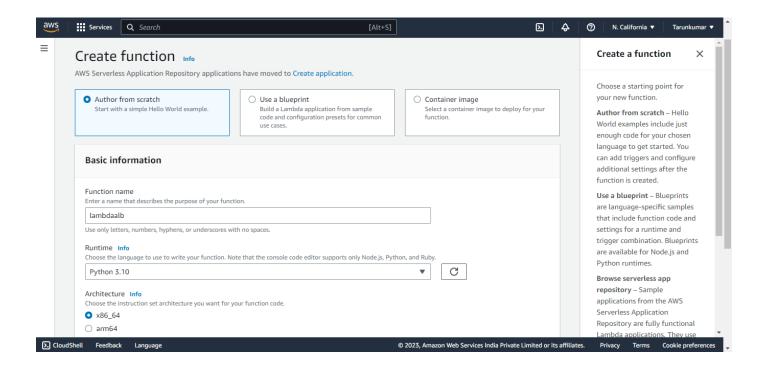


### The logs are recorded in cloudwatch logs.

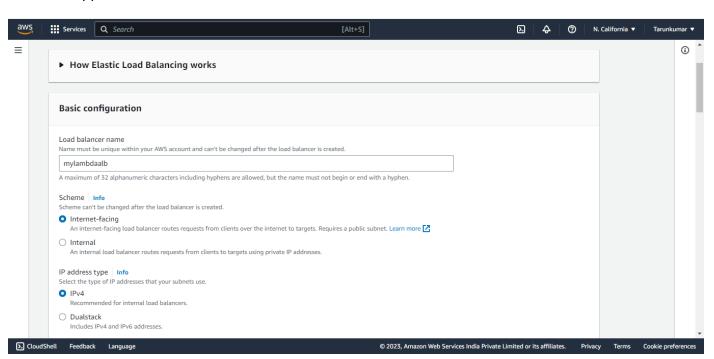


## LAMBDA WITH ALB

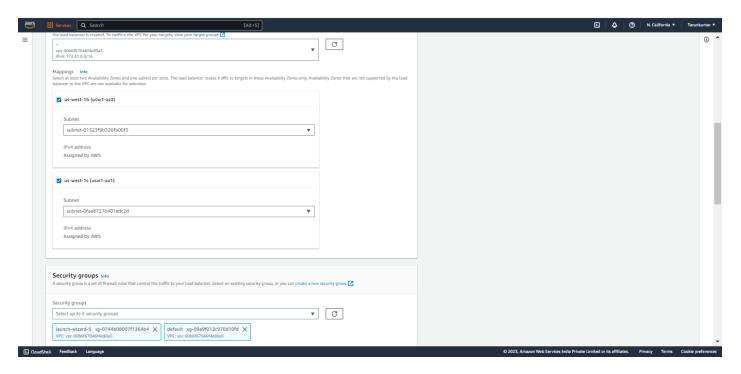
#### Create a lambda function



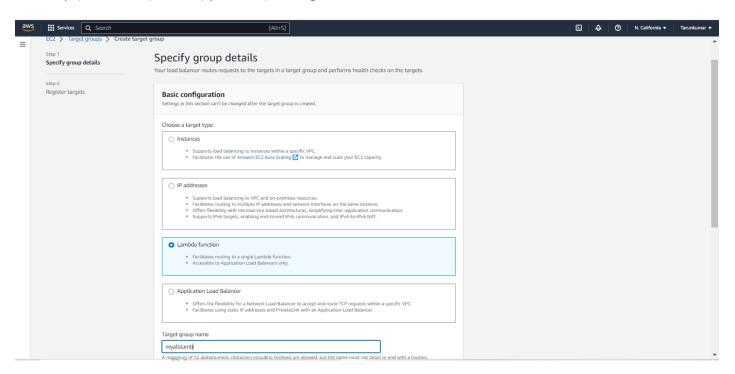
Create an application load balancer.



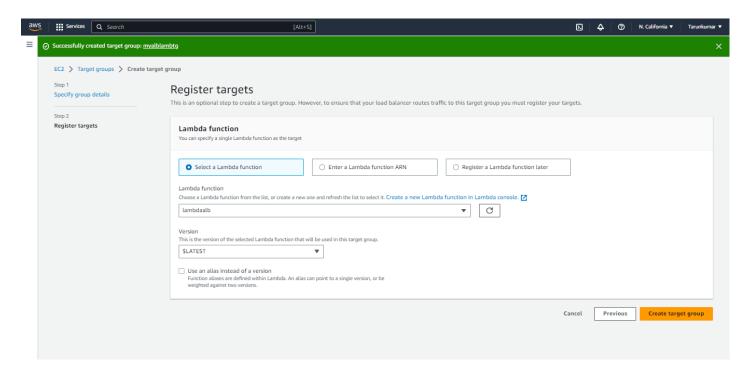
Make sure that the subnet is public and security group has inbound traffic open for HTTP.



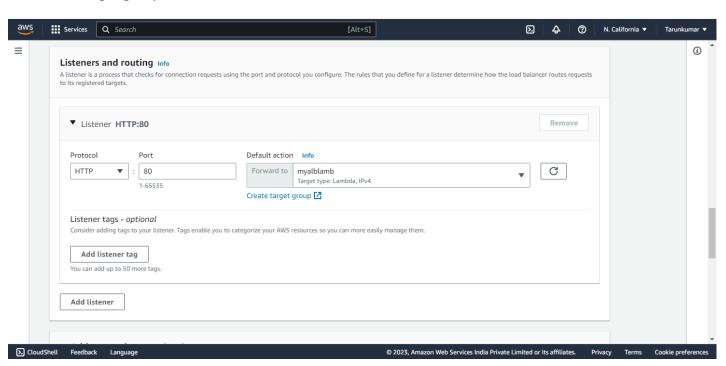
Create a target group for the application load balancer and add lambda function which was created in the first step (with HTTP(Port-80) protocol) as target.



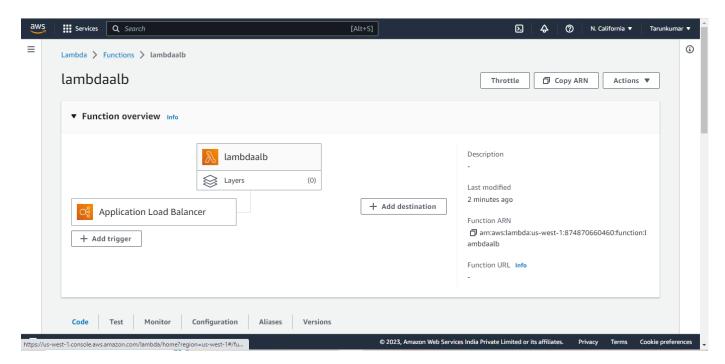
#### Select the lambda function created for ALB



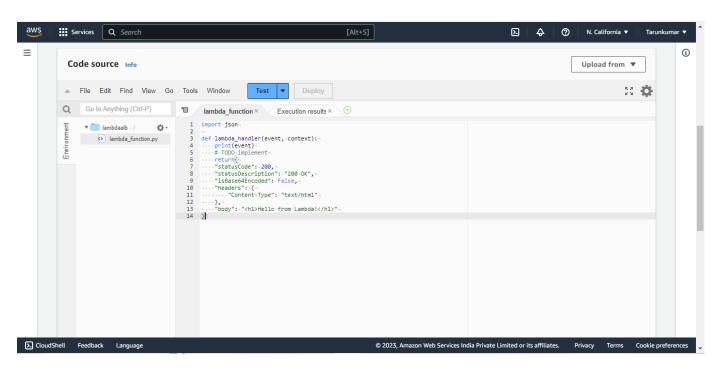
Attach the target group and create the load balancer,



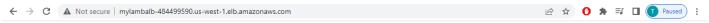
Now Application load balancer is added as the trigger to the lambda function



Edit the code of lambda function to view in HTML format when the DNS of ALB is clicked.



The application load balancer triggered the code written in lambda to run when the DNS of the alb was clicked.



Hello from Lambda!