**SITUATION**: To write a lambda function for “Hello World” and to understand what a Lambda function is and what are the dependencies and how it works in backend.  
  
**TASK**: To create a serverless lambda function and to run code without provisioning or managing servers using python runtime in the environment in response to events and to check the output logs with CloudWatch.  
  
**ACTION**: There are two ways to create a lambda function :  
1.Using AWS lambda console (no dependencies required)  
2.Lambda deployment package (when there are external dependencies)-Like uploading all files in with dependencies into the zip folder and then to lambda console.(Ex.S3)  
  
-We need to login in to the lambda console and create a new lambda-sample.  
-Select the **Runtime**: which is the language used to write the lambda function code -python 3.9.  
-**Permission** should be given like to read and write data by attaching the IAM role which has all those permissions with an existing role and can also create a new role depends upon the kind of function we write.  
-Here I have given to create a new role which create a basic IAM role to run the lambda function and to create logs in CloudWatch and it gets attached to lambda function .  
-**Test** is to run any sample lambda function and can create an event to run it and when we trigger the lambda it function will pass through the ‘**event**’ variable.  
-Can also give configurations like timeout time etc.  
-When ever we trigger a lambda function it goes to the **lambda\_handler** which runs the main function.  
-Write data in print (“Hello World”) and run ,we can also pass test events: Print(event),**deploy** to save changes and can pass anything in Key-value and **Test.  
import json**

**def lambda\_handler(event, context):**

**print(event)**

**print("Hello World")  
  
RESULT** : The even we passed goes through the **lamnda\_handler ‘event’** variable and the result is displayed as in **Execution Results** in function logs printed as **“Hello World”.**-In the monitor section we can also see logs through CloudWatch which we gave access for .  
-Can also create alarms for logs.