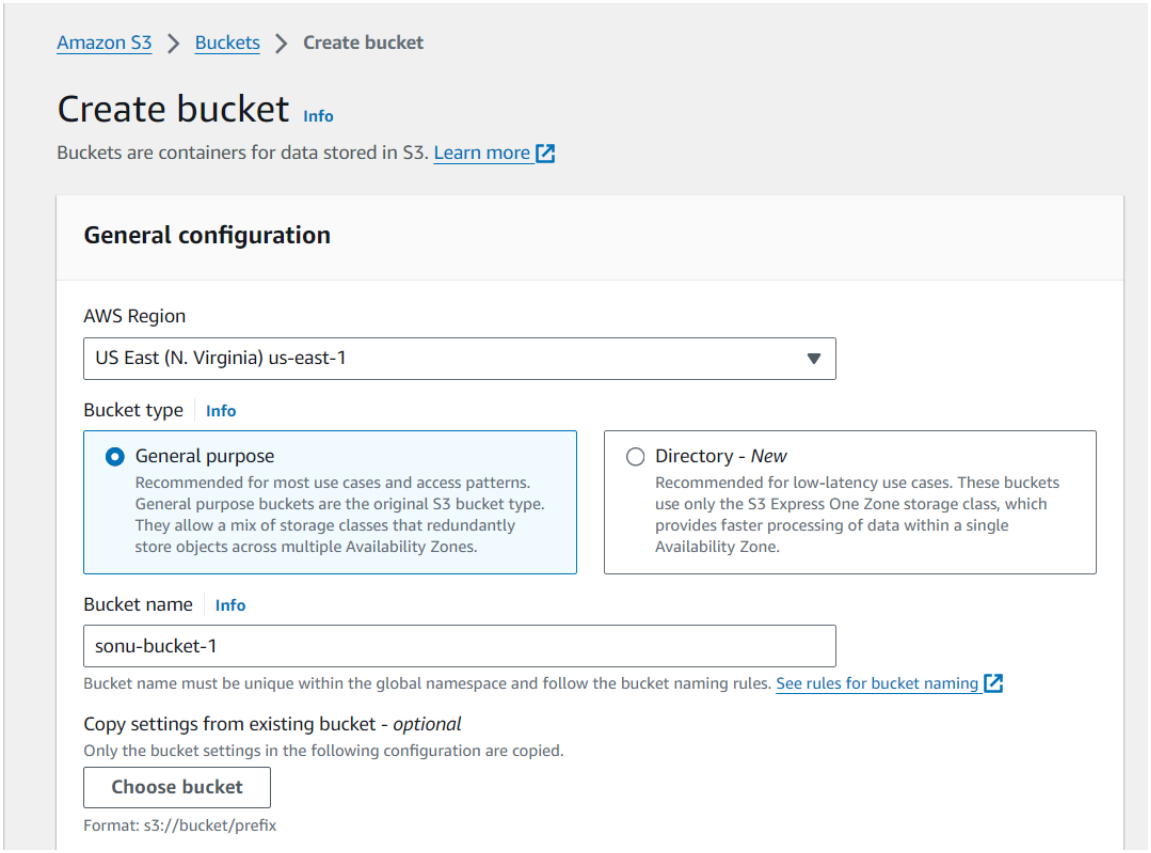
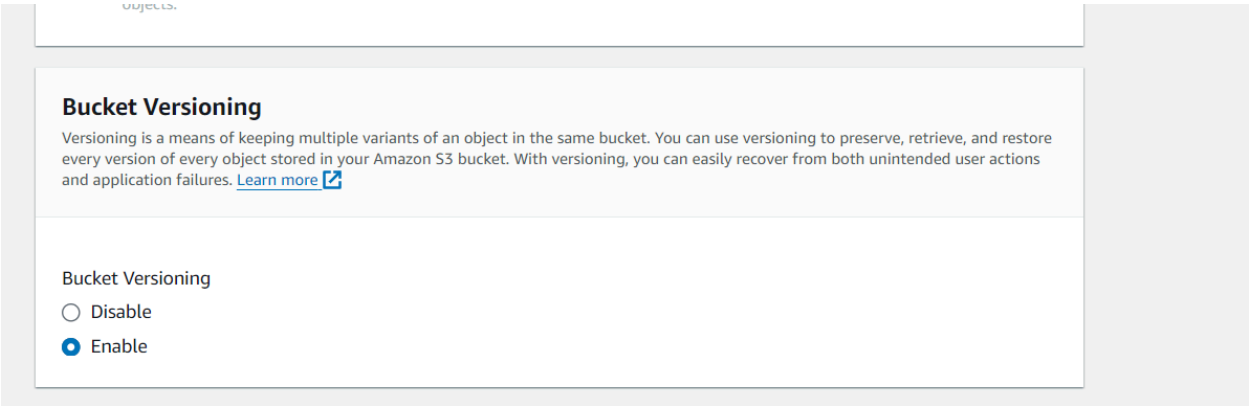
1. Upload the text file in 1st bucket. The file should be replicated in the 2nd bucket. The list_object or get_object should be used to get the list of files in the bucket.
2. There should be the transformation of the file making all the characters to the upper case. The output should be printed in the console and be saved in the 3rd bucket. There should be total 3 buckets.

Steps Involved:

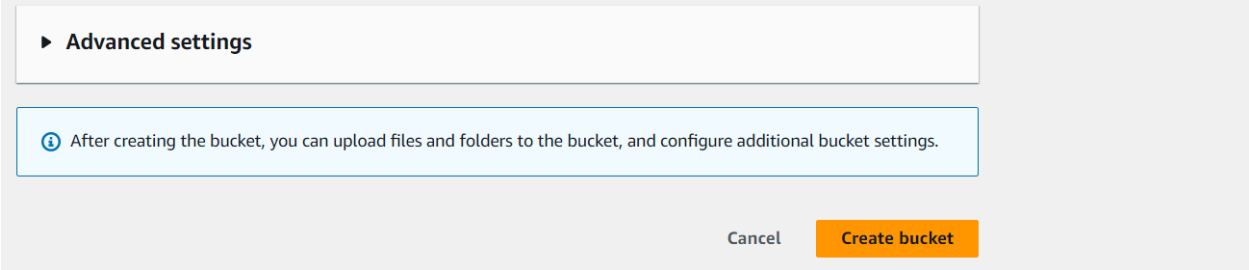
1) Go to S3> Bucket and Create a Bucket.



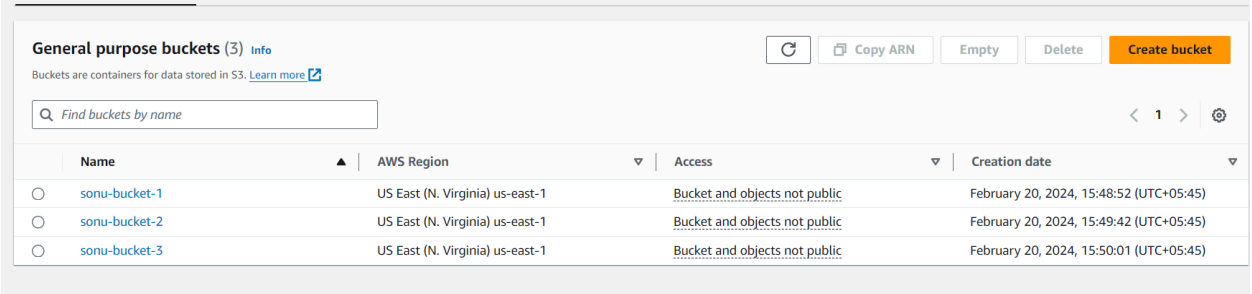
2) Enable Bucket Versioning.



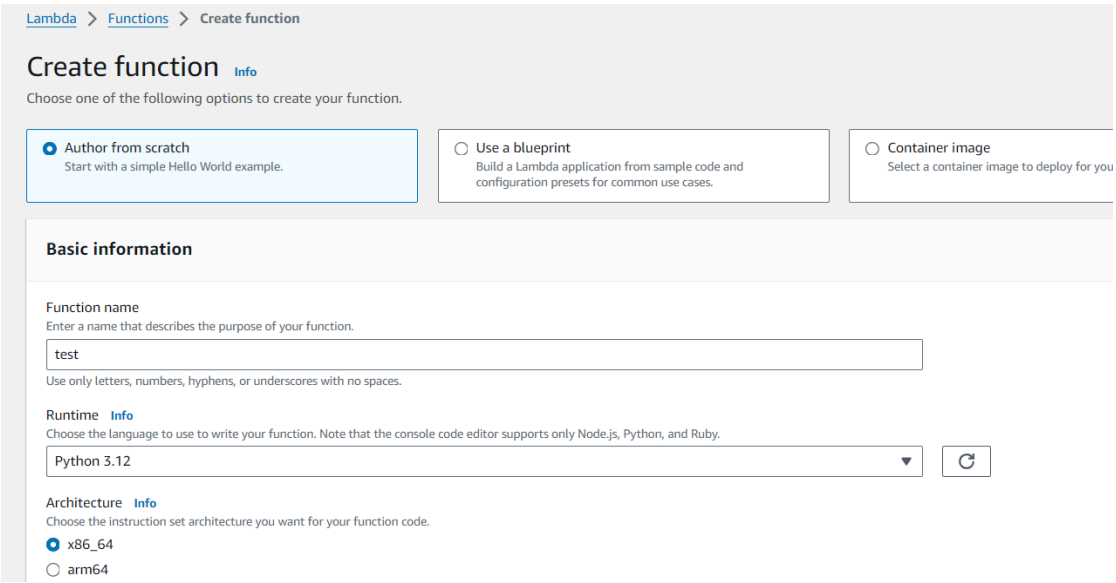
3) Keep other things default as it. And click on Create Bucket.



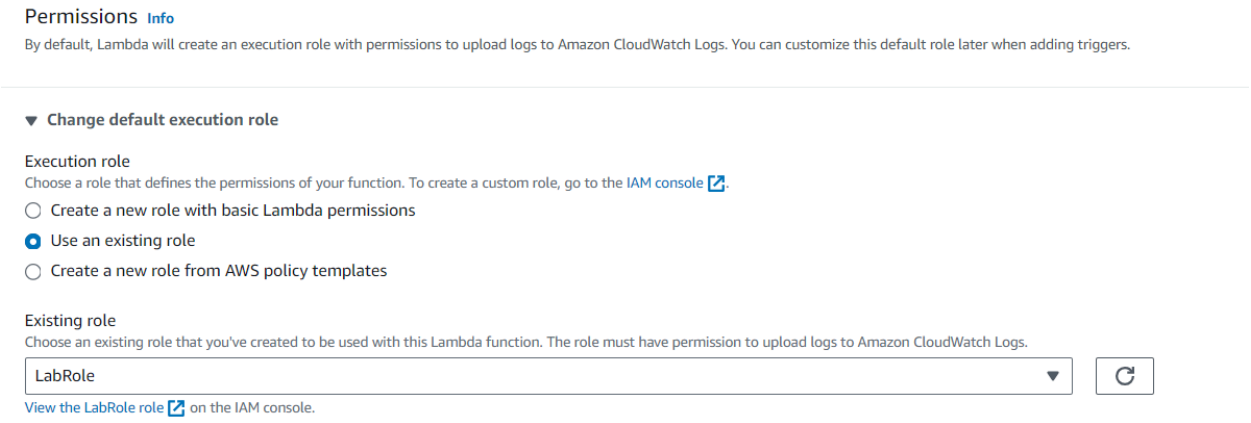
4) Repeat these processes for creating 3 buckets.



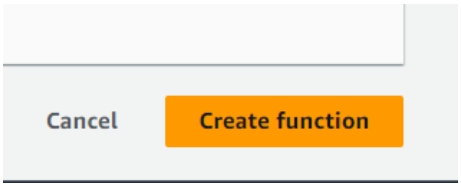
5) Go to the Lambda to create a function. Give appropriate function name and the language you use to write your function.



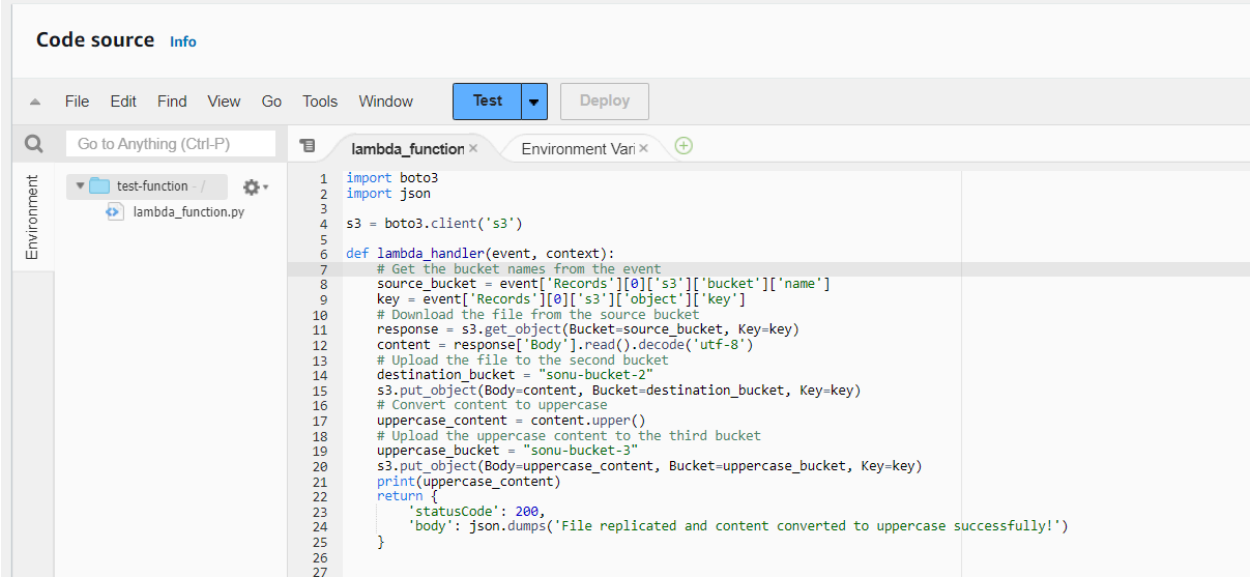
6) In permissions part,”choose to use an existing role” as execution role and “LabRole” as an existing role.



7) Select “Create function”

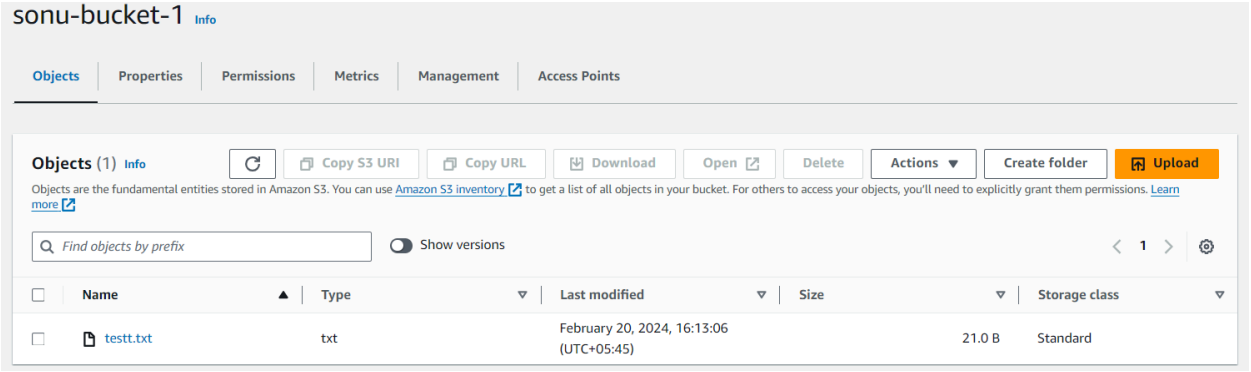


8) Go to the code source of lambda function ans write the code that performs the related task.

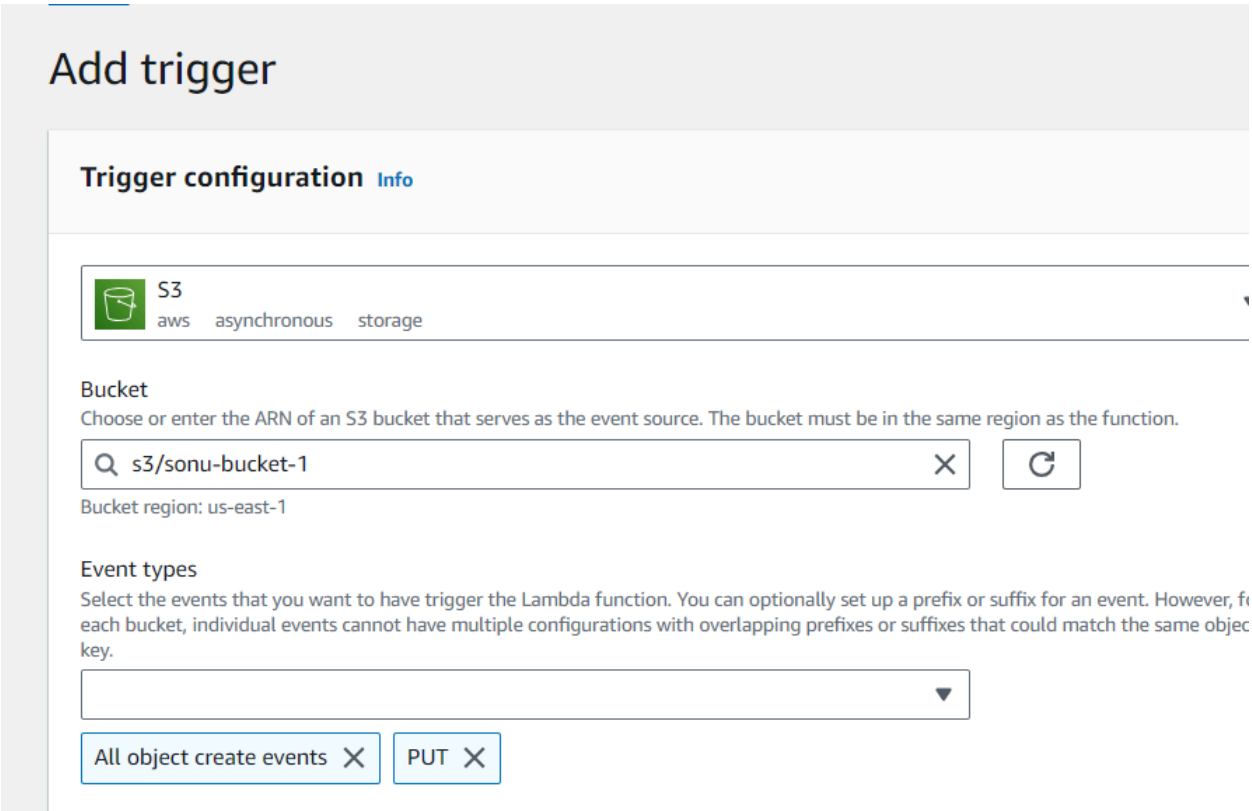


9) Now go to the first bucket you made and upload the .txt file from your computer.

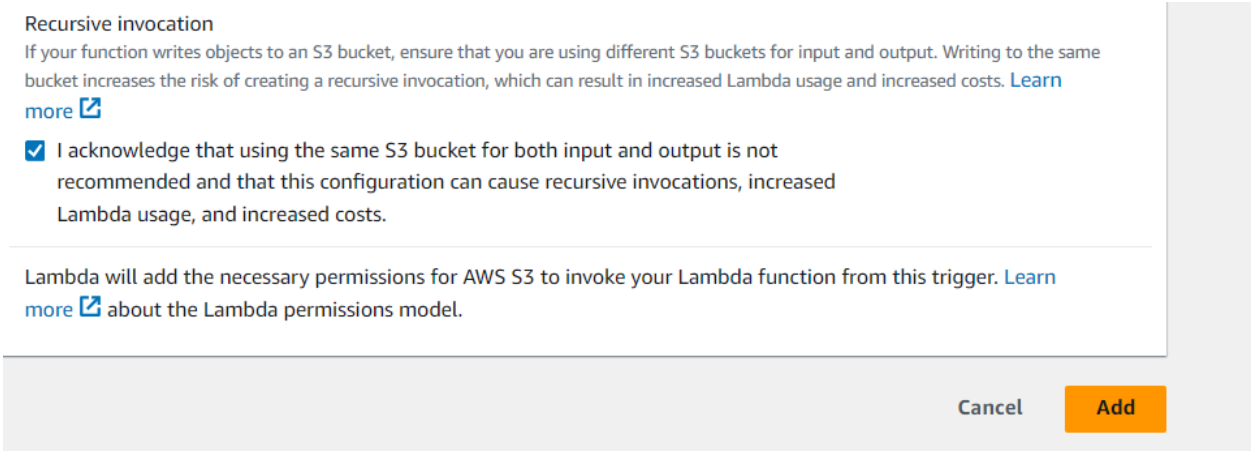
The first bucket is the original bucket. In the second bucket, the text file is the replica of the first bucket whereas in the third bucket , the file should be transformed making all the characters to the upper case.



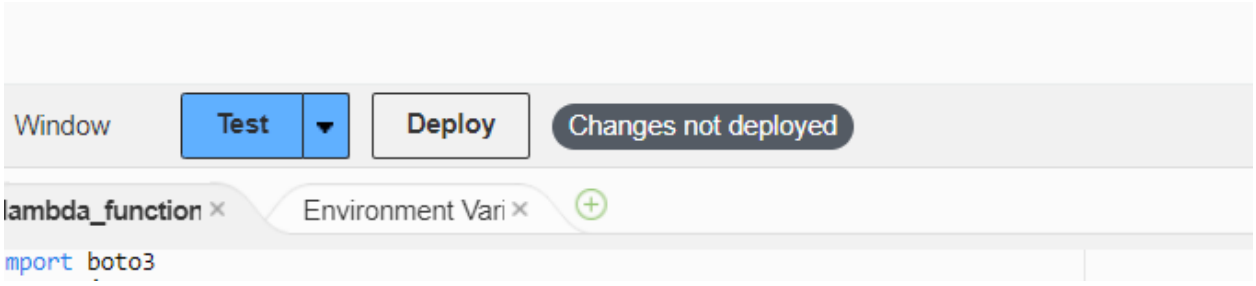
10) Then, add trigger configuration. Choose the bucket you want to trigger.



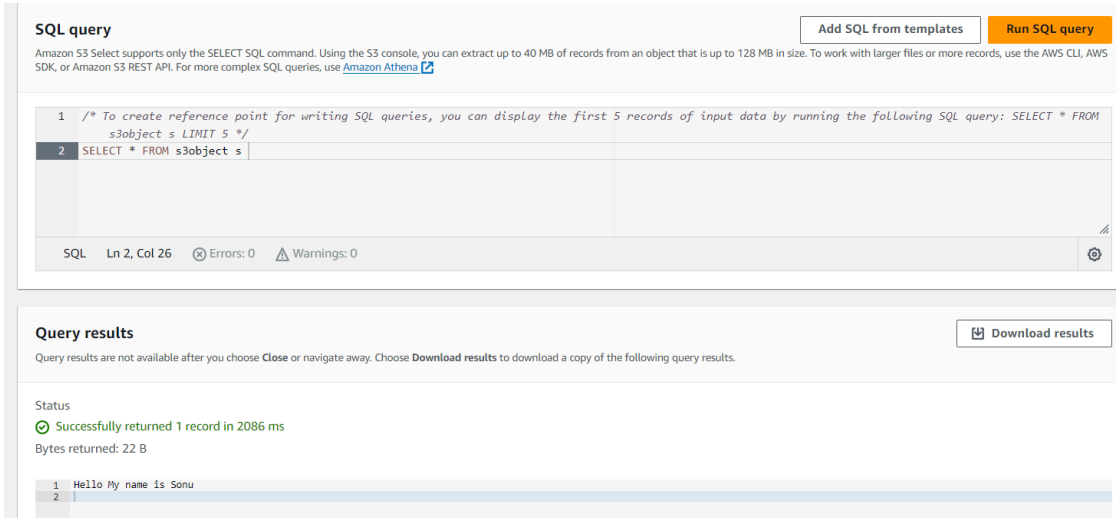
11) Select I acknowledge part of Recursive invocation and click on Add button.



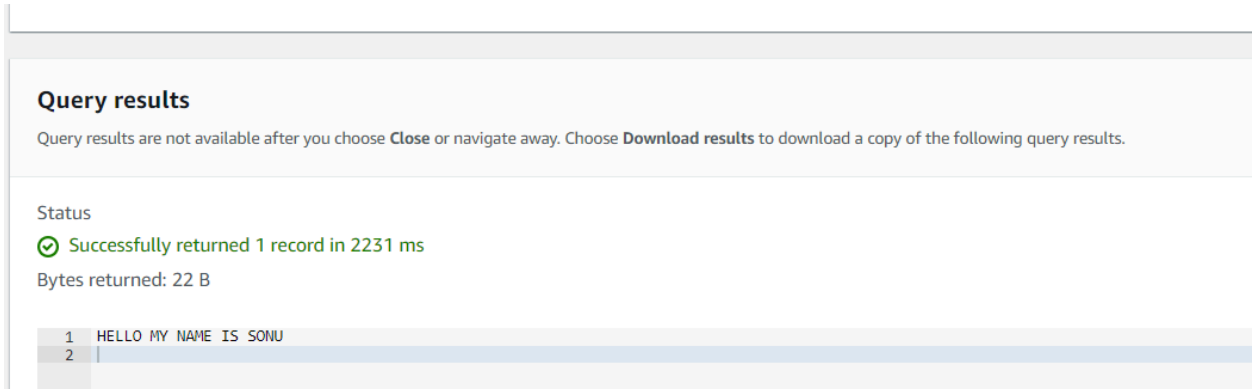
12)Now deploy the code



13) You can check text file in bucket by running SQL query too. This is bucket-2.



14)This is S3 bucket



15)You can go to the cloudwatch and check the log events.