Project Steps

Deploying and hosting a webpage on AWS

1. AWS Amplify

   - Using text editor create web page. (use index_original.html file for reference)
   - Create app select html file and deploy the code.

2. Lambda

   - Create lambda function and select python 3.9 language
   - Paste code in lambda function and test (refer powerofmathfuction-lambda-original file)

3. API Gateway

   - Create API and Select POST API
   - Create method and select integration method as lambda function. Choose lambda function
   - Enable CORS
   - Deploy and copy URL (paste on notepad)
   - Test the code

4. Dynamodb

   - Create table and select partition key as ID.
   - Copy ARN of table (paste on notepad)

5. IAM

   - Go to configuration tab select permission and open role
   - Create Inline policy

- Select JSON tab and paste the code(refer Execution role policy jeson file)
- Give proper name and create role

6. Lambda

- Select final code and paste in code area in lambda (refer final code file)
- Make some changes in code edit your dynamodb name here.
- Test code again

7. AWS Amplify

- Open code and add gateway endpoint url there.(refer index.html file)
- Save this file and deploy on AWS amplify.