Project: AWS Lambda Trigger on S3 Bucket Creation

Step 1: Sign in to your AWS Account

- Access AWS Management Console:
- Log in to the AWS Console.

Step 2: Set Up IAM Role

- 1. Navigate to IAM:
 - Go to IAM.

2. Create IAM Role:

- Choose Lambda service, attach `AWSLambdaBasicExecutionRole` and `AmazonS3ReadOnlyAccess`.
 - Name the role (e.g., `LambdaS3Role`).

Step 3: Create Lambda Function

- 1. Navigate to Lambda:
 - Go to Lambda.
- 2. Create Lambda Function:
 - Choose Python runtime, use the IAM role, and create.
- 3. Configure Function Code:
 - Replace default code with provided Python code.

This is code just copy and paste it (remove default code)

```
import json
```

```
def lambda_handler(event, context):
    # Log the event information
    print("S3 bucket creation event:", json.dumps(event, indent=2))

# Add your custom logic here

return {
    'statusCode': 200,
    'body': json.dumps('Lambda function executed successfully!')
}
```

Step 4: Add Event Notification to S3 Bucket

- 1. Navigate to S3:
 - Go to S3.
- 2. Configure Event Notification:
 - Select the S3 bucket (if not ,create one)
 - Under "Event notifications," click "Create" and configure.
- 3. Specify Events and Destination:
 - Choose "All object create events" and select Lambda function.
- 4. Review and Save:
 - Review settings and save changes.

Step 5: Test the Setup

- 1. Upload File to S3 Bucket:
 - Go to S3 Console.
 - Upload a file to the bucket.
- 2. Check Lambda Logs:
 - Go to Lambda Console.
 - Open your function, navigate to "Monitoring," and check CloudWatch Logs.
- 3. Review Lambda Output:
 - Inspect Cloud Watch Logs for Lambda function execution details.