S3 Coding Document

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Next steps: Explain error
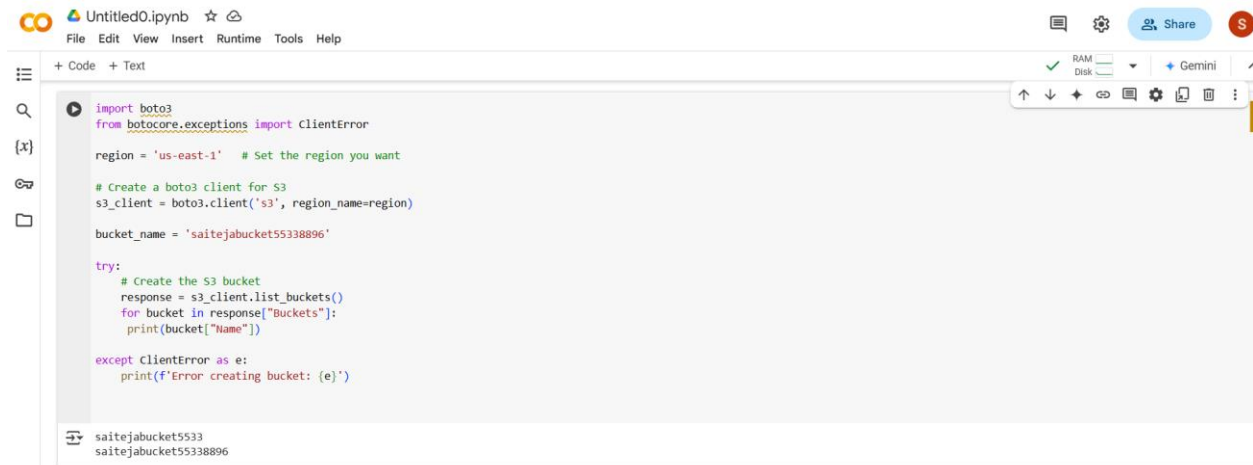
```
pip install boto3
```

```
Collecting boto3
  Downloading boto3-1.36.20-py3-none-any.whl.metadata (6.7 kB)
Collecting botocore<1.37.0,>=1.36.20 (from boto3)
  Downloading botocore-1.36.20-py3-none-any.whl.metadata (5.7 kB)
Collecting jmespath<2.0.0,>=0.7.1 (from boto3)
  Downloading jmespath-1.0.1-py3-none-any.whl.metadata (7.6 kB)
Collecting s3transfer<0.12.0,>=0.11.0 (from boto3)
  Downloading s3transfer-0.11.2-py3-none-any.whl.metadata (1.7 kB)
Requirement already satisfied: python-dateutil<3.0.0,>=2.1 in /usr/local/lib/python3.11/dist-packages (from botocore<1.37.0,>=1.36.20->boto3) (2.8.2)
Requirement already satisfied: urllib3!=2.2.0,<3,>=1.25.4 in /usr/local/lib/python3.11/dist-packages (from botocore<1.37.0,>=1.36.20->boto3) (2.3.0)
Requirement already satisfied: six>=1.5 in /usr/local/lib/python3.11/dist-packages (from python-dateutil<3.0.0,>=2.1->botocore<1.37.0,>=1.36.20->boto3) (1.17.0)
Downloading boto3-1.36.20-py3-none-any.whl (139 kB)
                                        139.2/139.2 kB 11.3 MB/s eta 0:00:00
Downloading botocore-1.36.20-py3-none-any.whl (13.3 MB)
                                        13.3/13.3 MB 76.8 MB/s eta 0:00:00
Downloading jmespath-1.0.1-py3-none-any.whl (20 kB)
Downloading s3transfer-0.11.2-py3-none-any.whl (84 kB)
                                        84.2/84.2 kB 7.9 MB/s eta 0:00:00
Installing collected packages: jmespath, botocore, s3transfer, boto3
Successfully installed boto3-1.36.20 botocore-1.36.20 jmespath-1.0.1 s3transfer-0.11.2
```

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```python
import boto3
from botocore.exceptions import ClientError

region = 'us-east-1'   # Set the region you want

# Create a boto3 client for S3
s3_client = boto3.client('s3', region_name=region)

bucket_name = 'saitejabucket55338896'

try:
    # Create the S3 bucket
    response = s3_client.list_buckets()
    for bucket in response["Buckets"]:
        print(bucket["Name"])

except ClientError as e:
    print(f'Error creating bucket: {e}')
```

```
saitejabucket5533
saitejabucket55338896
```

```python
import boto3
from botocore.exceptions import ClientError

region = 'us-east-1'    # Set the region you want

# Create a boto3 client for S3
s3_client = boto3.resource('s3', region_name=region)

bucket_name = 'saitejaresourcebucket55338896'

try:
    # Create the S3 bucket
    response = s3_client.create_bucket(
        Bucket=bucket_name
    )
    print(f'Bucket {bucket_name} created successfully.')
except ClientError as e:
    print(f'Error creating bucket: {e}')
```

```
Bucket saitejaresourcebucket55338896 created successfully.
```

```python
import boto3
from botocore.exceptions import ClientError

region = 'us-east-1'    # Set the region you want

# Create a boto3 client for S3
s3_client = boto3.resource('s3', region_name=region)

bucket_name = 'saitejabucket55338896'

try:
    # Read the S3 bucket

    # Retrieve the list of existing buckets
    for bucket in s3_client.buckets.all():
        print(bucket.name)

except ClientError as e:
    print(f'Error creating bucket: {e}')
```

```
saitejabucket5533
saitejabucket55338896
saitejaresourcebucket55338896
```