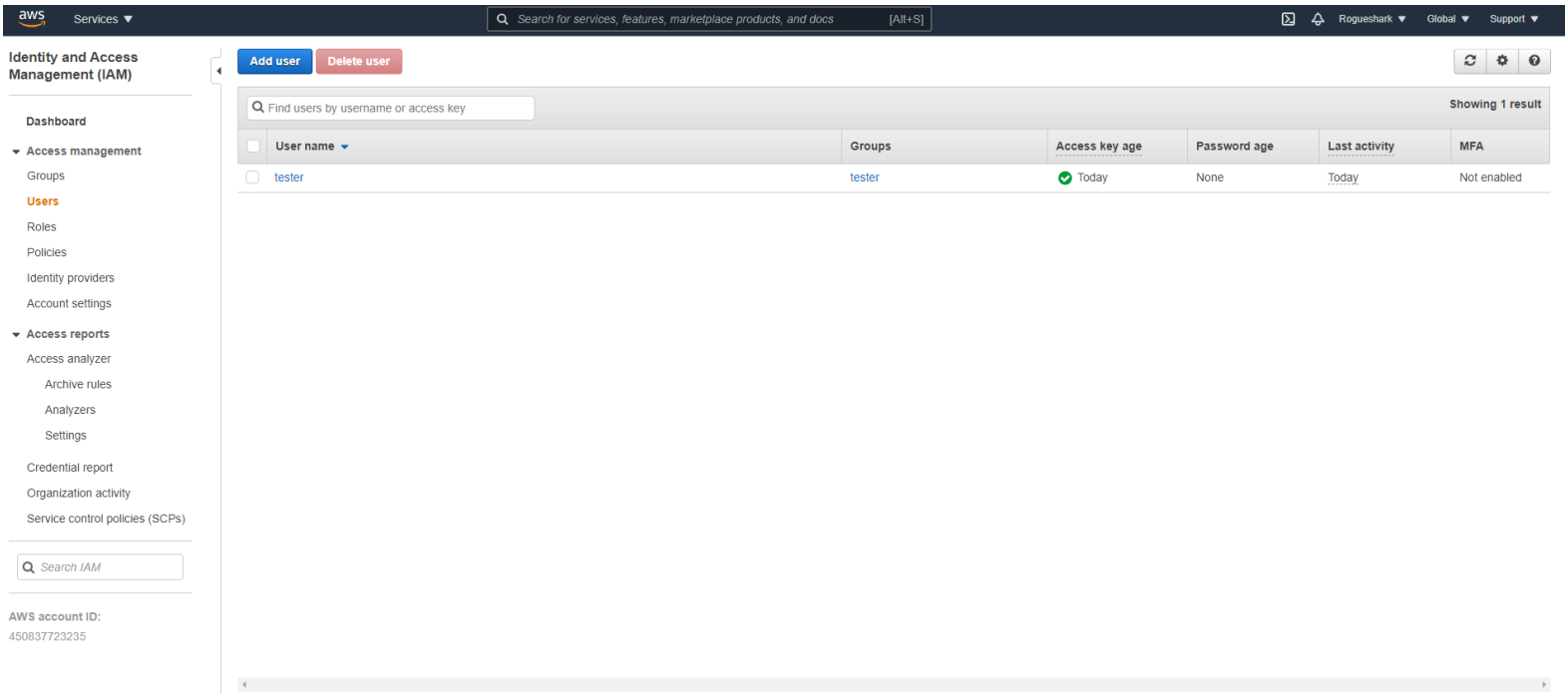
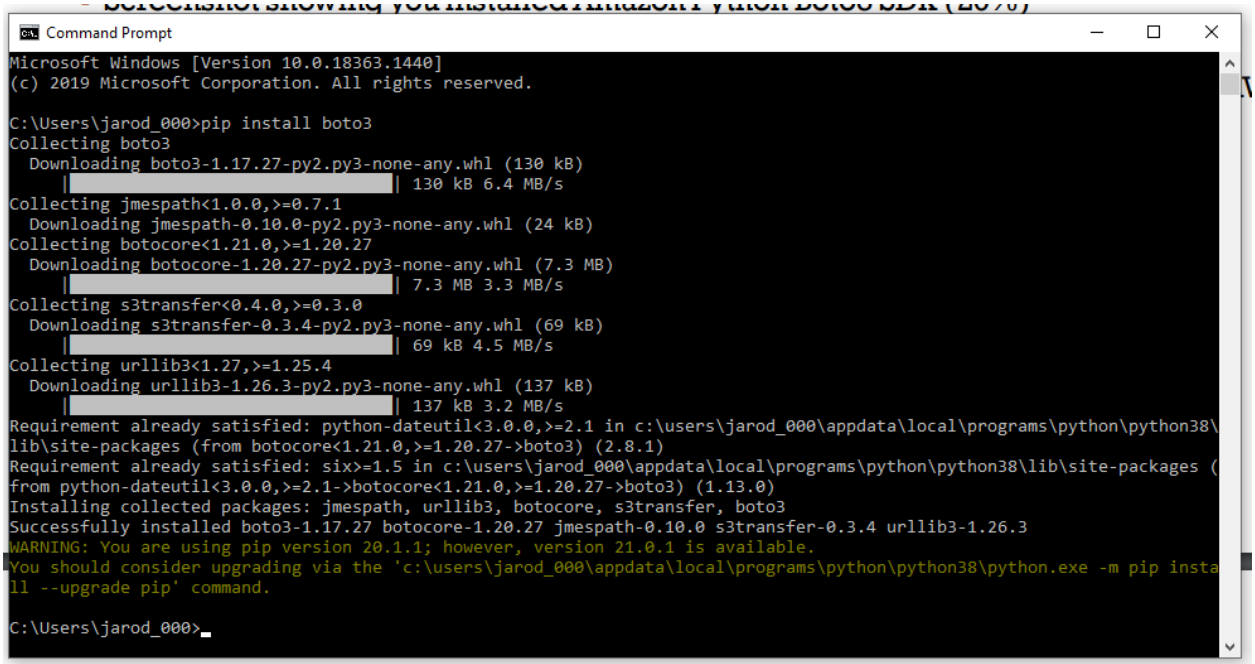
AWS Account:



Boto3 Installation:



Full Code:

AWSHWWithoutKeys.py | experiments.csv

```python
import boto3
import csv

s3 = boto3.resource('s3', aws_access_key_id = '', aws_secret_access_key = '')

try:
    s3.create_bucket(Bucket = 'myawsbucket88472', CreateBucketConfiguration = {'LocationConstraint': 'us-east-2'})
except:
    print("bucket may already exist")

#s3.Object('myawsbucket88472', 'test.png').put(Body=open('C:\\Users\\jarod_000\\Desktop\\CS 1660\\AWS HW\\test.png', 'rb'))

dyndb = boto3.resource('dynamodb', region_name = 'us-east-2', aws_access_key_id = '', aws_secret_access_key = '')

table = ""

try:
    table = dyndb.create_table(
        TableName = 'DataTable',
        KeySchema = [
            { 'AttributeName': 'PartitionKey', 'KeyType': 'HASH'},
            { 'AttributeName': 'RowKey', 'KeyType': 'RANGE'}
        ],
        AttributeDefinitions = [
            { 'AttributeName': 'PartitionKey', 'AttributeType': 'S'},
            { 'AttributeName': 'RowKey', 'AttributeType': 'S'}
        ],
        ProvisionedThroughput={
            'ReadCapacityUnits': 5,
            'WriteCapacityUnits': 5
        }
    )
except:
    table = dyndb.Table("DataTable")

table.meta.client.get_waiter('table_exists').wait(TableName = 'DataTable')

print(table.item_count)

urlbase = "https://s3-us-east-2.amazonaws.com/myawsbucket88472/"
with open('C:\\Users\\jarod_000\\Desktop\\CS 1660\\AWS HW\\datafiles\\experiments.csv', 'r') as csvfile:
    csvf = csv.reader(csvfile, delimiter=',', quotechar='|')
    next(csvf) # Skip header
    for item in csvf:
        print(item)
        body = open('C:\\Users\\jarod_000\\Desktop\\CS 1660\\AWS HW\\datafiles\\'+item[4], 'rb')
        s3.Object('myawsbucket88472', item[3]).put(Body=body )
        md = s3.Object('myawsbucket88472', item[3]).Acl().put(ACL='public-read')

        url = "https://s3-us-east-2.amazonaws.com/myawsbucket88472/"+item[4]
        metadata_item = {'PartitionKey': item[0], 'RowKey': item[1],
        'description' : item[4], 'date' : item[2], 'url':url}
        try:
            table.put_item(Item=metadata_item)
        except:
            print("item may already be there or another failure")

response = table.get_item(
    Key={
        'PartitionKey': 'experiment2',
        'RowKey': 'data2'
    }
)

item = response['Item']
print(item)
```

Query to DB:

```
response = table.get_item(
    Key={
        'PartitionKey': 'experiment2',
        'RowKey': 'data2'
    }
)

item = response['Item']
print(item)
```

Response from DB: