import os

from pprint import pprint

from google.cloud import storage

#https://googleapis.dev/python/storage/latest/client.html

os.environ['GOOGLE\_APPLICATION\_CREDENTIALS'] = r"C:\Users\User\Documents\MYsqlDocument\BigQuery\BigQuery\_API\service\_key\_GoogleCloud.json"

#Client for interacting with the Google Cloud Storage API.

storage\_client = storage.Client()

bucket\_name = 'khakudubucketu'

'''

for i in bucket\_name:

    try:

       bucket = storage\_client.get\_bucket(i)

       print(bucket)

    except:

       pass

'''

bucket = storage\_client.bucket(bucket\_name)

bucket.storage\_class = 'COLDLINE' # Archive | Nearline | Standard

bucket.location = 'US'

#bucket = storage\_client.create\_bucket(bucket) # returns Bucket object

pprint(vars(bucket))

print(bucket.name)

#bucket.\_properties['selfLink']

#bucket.\_properties['id']

bucket.\_properties['location']

#bucket.\_properties['timeCreated']

bucket.\_properties['storageClass']

#bucket.\_properties['updated']

"""

Get Bucket

"""

my\_bucket = storage\_client.get\_bucket(bucket\_name)

print(vars(my\_bucket))

"""

Upload File

"""

def upload\_to\_bucket(blob\_name, file\_path, bucket\_name):

    '''

    Upload file to a bucket

    : blob\_name  (str) - object name

    : file\_path (str)

    : bucket\_name (str)

    '''

    try:

        bucket = storage\_client.get\_bucket(bucket\_name)

        blob = bucket.blob(blob\_name)

        blob.upload\_from\_filename(file\_path)

        return True

    except Exception as e:

        print(e)

        return False

file\_path = r'C:\Users\User\Documents\MYsqlDocument\csvFiles'

upload\_to\_bucket('document/movieData', os.path.join(file\_path,'movieDataset.csv'), bucket\_name)

upload\_to\_bucket('document/table911\_1', os.path.join(file\_path,'table911\_1.csv'), bucket\_name)

'''

Download Files

'''

def download\_file\_from\_bucket(blog\_name, file\_path, bucket\_name):

    bucket = storage\_client.get\_bucket(bucket\_name)

    blob = bucket.blob(blog\_name)

    with open(file\_path, 'wb') as f:

        storage\_client.download\_blob\_to\_file(blob, f)

    print('Saved')

download\_file\_from\_bucket('movieData', os.path.join(os.getcwd(), 'file101.csv'),bucket\_name)

download\_file\_from\_bucket('table911\_1', os.path.join(os.getcwd(), 'file102.csv'),bucket\_name)