**Cloud:**

**Introduction:**

The main purpose of using the cloud is to store the files. There is many clouds, here we use amazon cloud instead of other clouds. We are transfer or retrieve the file to amazon cloud. Before that first we have to create an account using AWS console in amazon. After creating the account we have to install library function called boto3 in the anaconda prompt. AWS means amazon web services, it is a cloud service from amazon. with AWS can store data ,the amazon cloud drive is the storage service behind those products .with the cloud drive, you can upload files to the cloud.

* **To transfer or storing the file in the cloud:**

**from boto3.s3.transfer import S3Transfer:**is a library function used to transfer the any kind of files.

**transfer.upload\_file(r"file.txt","nandurit97","ultra.txt"):**this command is used to give the destination to the file to store. the file.txt is file what we want to transfer,nandurit97 is our bucket name or our account in the cloud,ulta.txt is destination for the file what we sending. The transferred file will be stored in the destination file. then the file will be uploaded to cloud in the destination name what we give.

**Example:**

from boto3.s3.transfer import S3Transfer

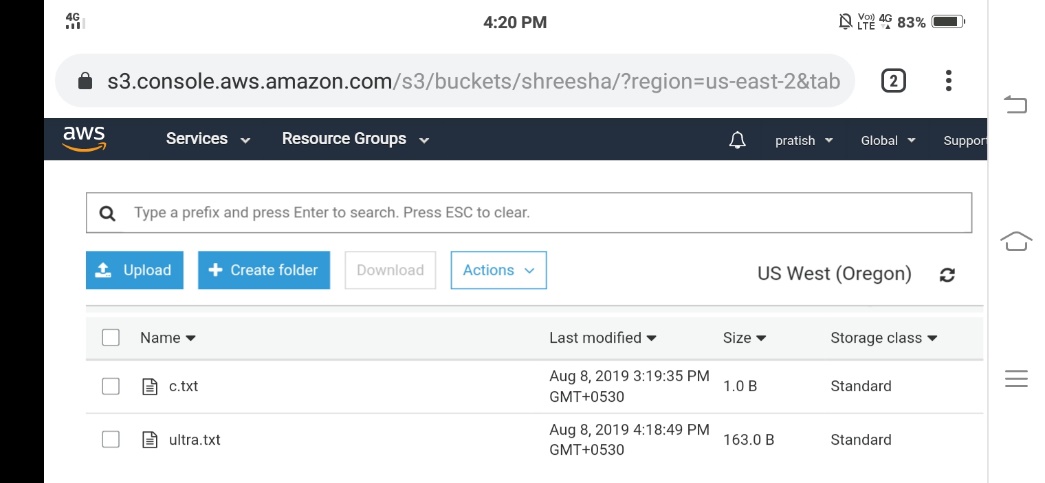
import boto3

client=boto3.client('s3',aws\_access\_key\_id="AKIAJK6EEZ5XUZUN2DSA",aws\_secret\_access\_key="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")

transfer=S3Transfer(client)

**transfer.upload\_file(r"file.txt","nandurit97","ultra.txt")**

**output:**

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* **To retrieve or download the data from the file in cloud:**

**S3.download\_file('nandurit97','c.txt',’led.txt’):**is command used to download or retrieve data in thefile from the cloud.nandurit97 is a bucket name. led.txt is the file what we want to download, it download with the name of c.txt is the destination. After retrieving the file it perform the operation as data what is stored in the file.

**Example:**

import boto3

S3=boto3.client('s3',aws\_access\_key\_id="AKIAJK6EEZ5XUZUN2DSA",aws\_secret\_access\_key="qbXQexQO4IIv22z0y9FZ8C0Mxo/n7y802730Te4W")

**S3.download\_file('nandurit97','c.txt','led.txt')**

**Output:**

The output will be obtained as what we write the program in the file.