PRACTICAL-2

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STORAGE as a Service - 53

- · Amazon Simple Storage Service (S3) is a massively scalable storage service based on storage object technology.
- e It personales a seen high clerred of durability, with
- Data can be accessed from anywhere win the Internet, where the mason console and the powerful S3 API.
 - 53 storage perovides the key features.
- · Buckets: data is stored in buckets. Even bucket can store an unlimited amount of unstructured data.
- · Elastic Scalability: S3 has no estorage elimet. Individuals objects cambe up to 578 in size
- · Flexible data istructure: each Object is identified using a uniquekey, and you can use netadata to ylesibly organize data
- · Downloading data: easily share data with onyone unide or outside your organization and enable them to download data over the Internet.

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· Permissions - assign permission at the thicket or object level to ensure only authorized users can access data.

APIS: the S3 API, porovided both the REST and some interfaces, has become an industry standard and is integrated with a large number of existing iteals

As a Sequence hierarchy

(2) 53 usecases

1 Backup and Archival

one of the perimery use cases for S3 sterrage is backup and archital Organizations can developed S3's admirability and avaluability ito ensure the safety and longeturity of their data. S3's redundant architecture and distributed data istorage make it possible ito otore central data that needs to be accessed quickly and securely.

2. Content Distoubution and Hosting

By leveraging S3's global meturous of edge clocations, content creators can distribute their ylis is amlessly to end wers, reducing lateries and imperioring were experience. S3's integration and content delivery networks (CDN) quatrier enhances it not their over files are deliverly quickly and efficiently.

3. Disaster Recovery

with S3's cross region replication, businesses can automatically save their data in multiple Amazon regions, ensuring that it is protected against oregional disasters. In the event of a disaster, organizations can quickly restore their data from the preplicated copied stores in S3, minimizing downtine and data loss.

4. Big Data and Analytics

G3's low cost storage object make it suitable for storage large volumes trawdata. Dogonisdon can ingest data from warins sources into S3, including way files, sensor data, and social media feeds It integreates with Apache Hadoop and Apache Spark emables businesses to produce and amalyze do data at scale.

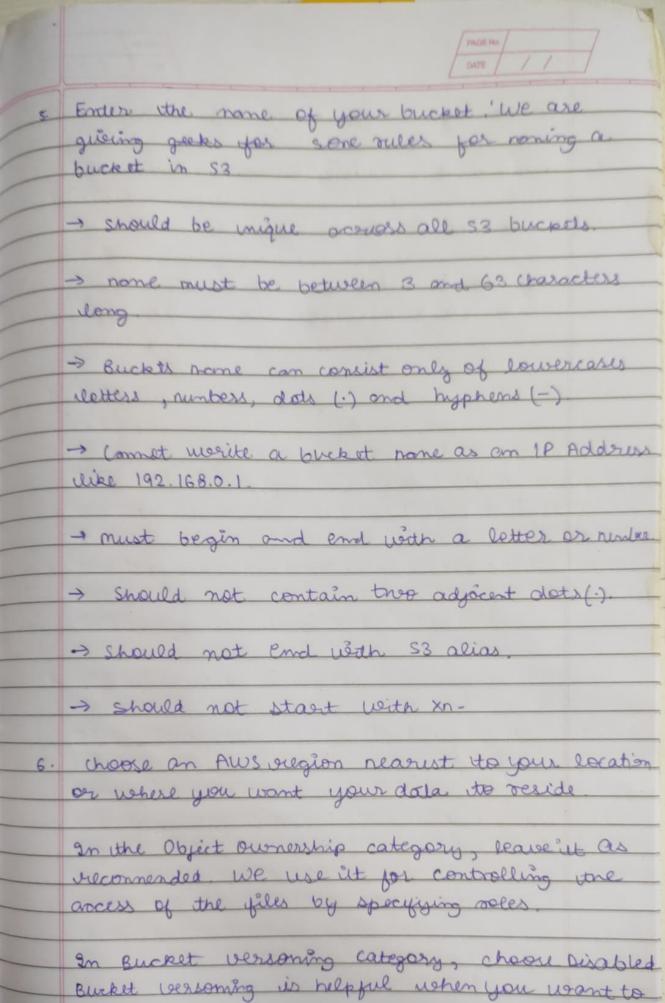
5 Software and Object Distribution

53 is commonly used by organizations do distribute softward packages, firmware updates and other digital assets to users, customers or employees 53's global network of edge locations constructed fast and efficient delivery of these files, ougaster of the user's location.

135 STEPS FOR 53

Follow others esteps to create a burcket in your Amazon Simple Storage Service:

- an account you can create it atsolutley feel as Anazon peroviders as I- year free ties to its new users.
- 2. In the search bar located at the trop of your Aws management Consider type "Amazon S3".
- 3. Click on "S3 Scalable Storage in the Cloud
 - 4. Click on "Create Bucket, A new pone will open up, where you have ito enter the details and configure your bucket.
 - In the general configuration category:

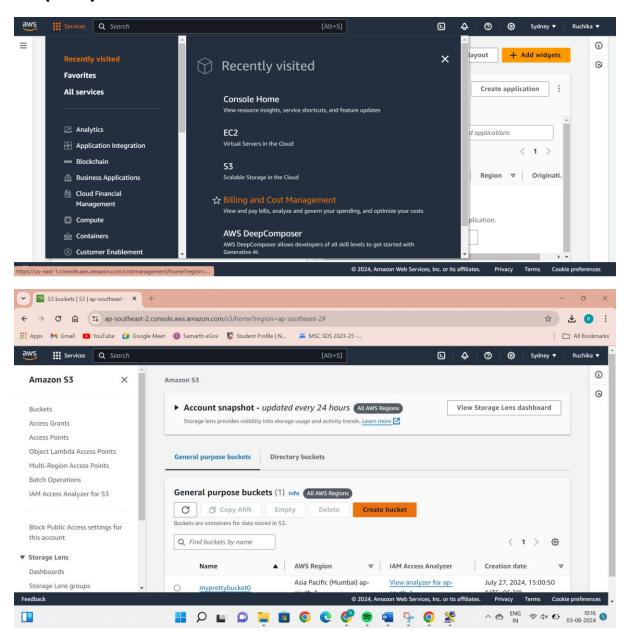


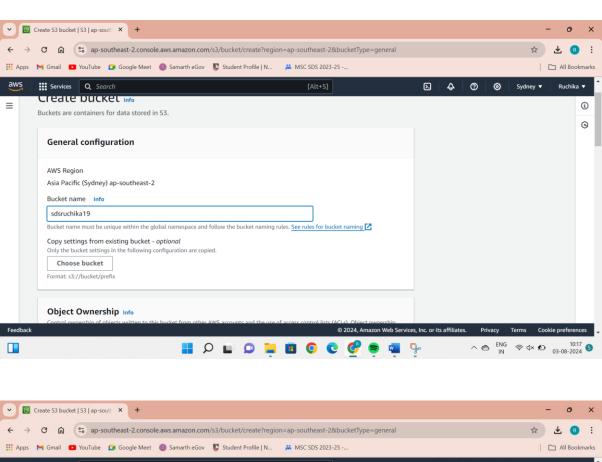
CLOUD COMPUTING PRACTICAL-2

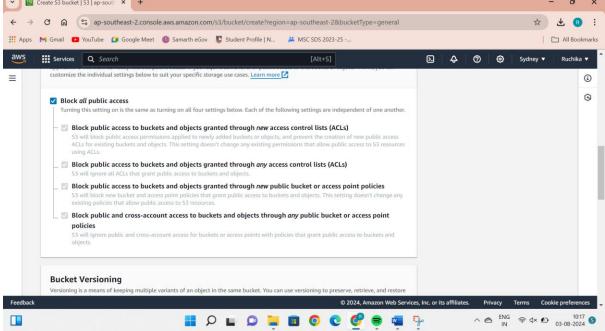
Ruchika (RollNo-19) 86062300062

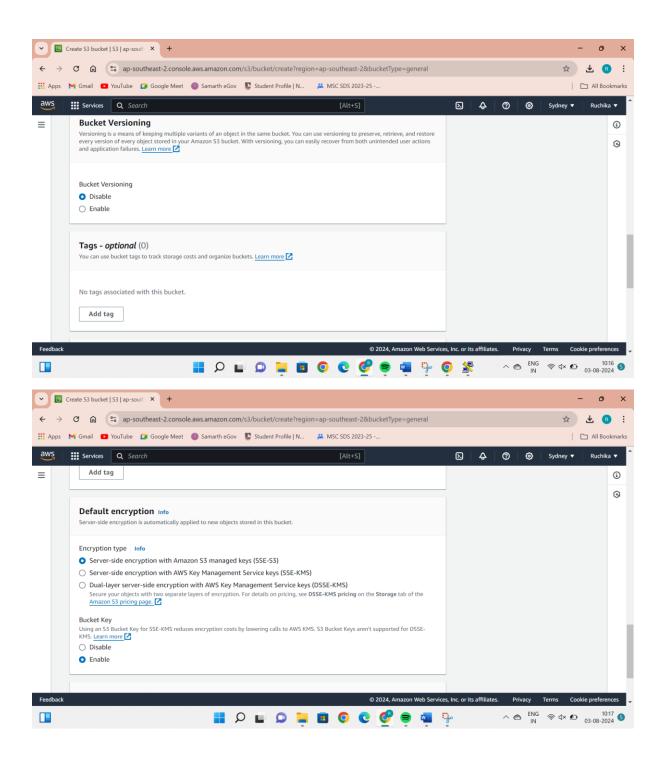
Msc. Statistics and Data Science

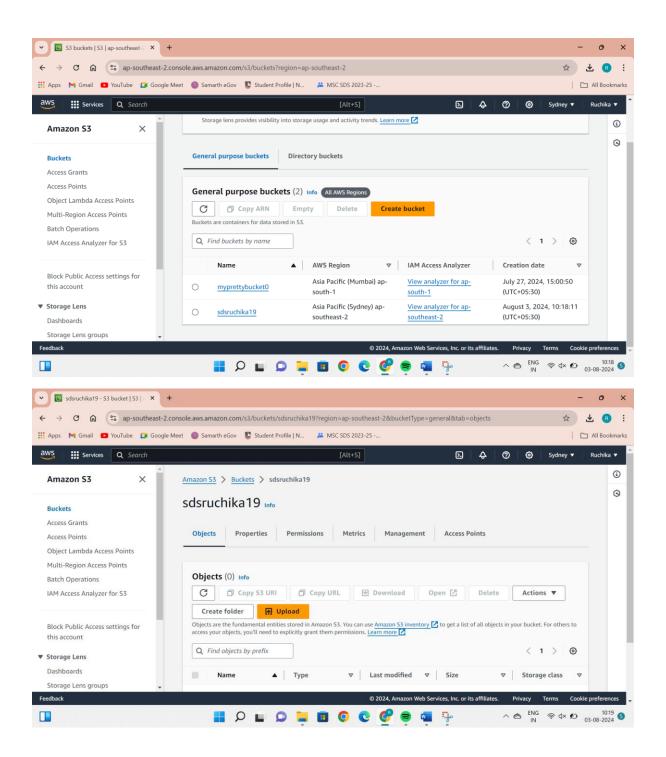
S3 (FILE)

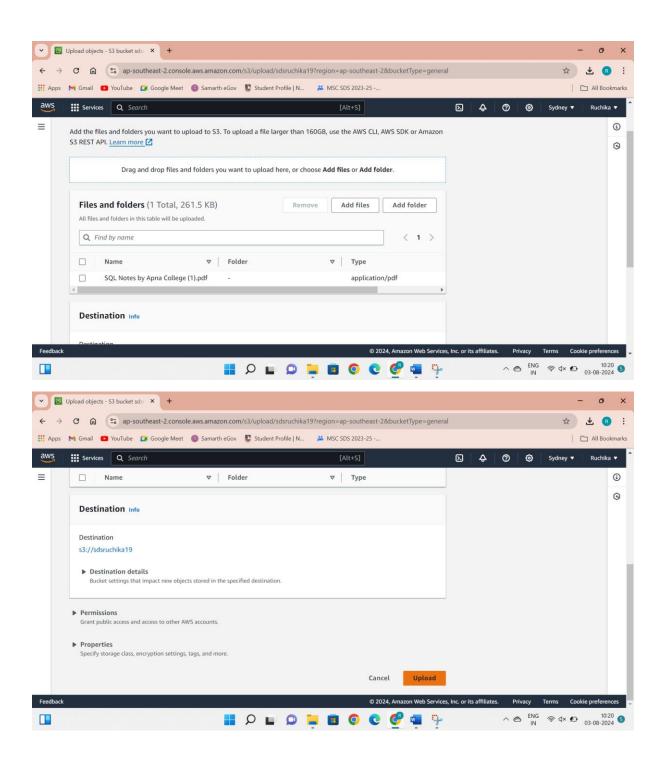


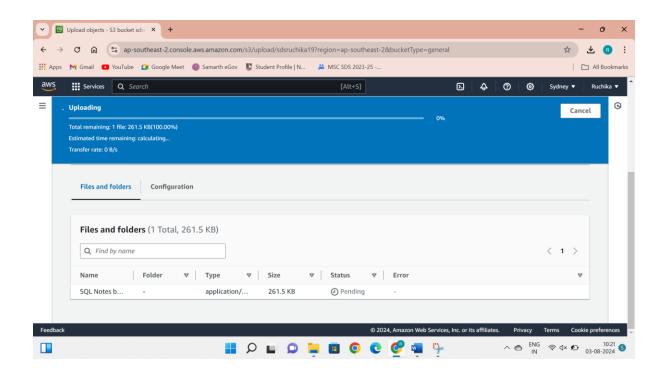


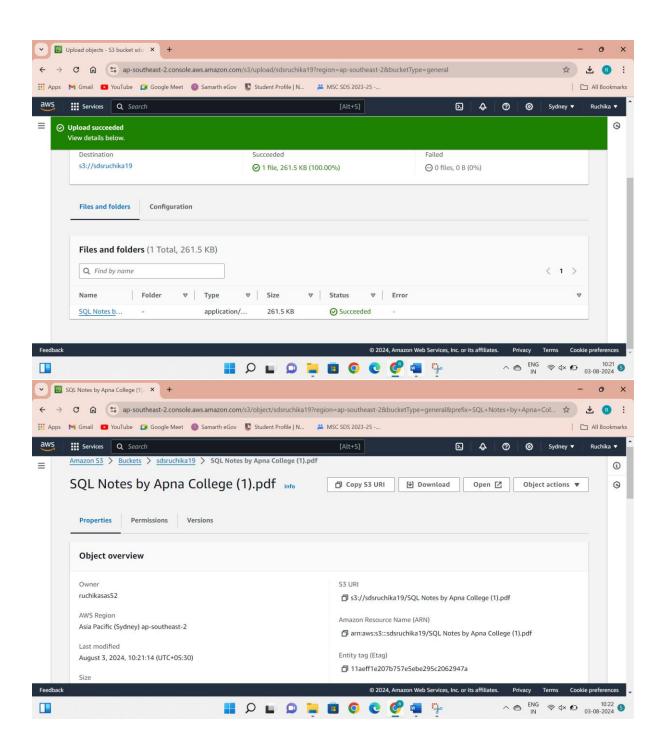


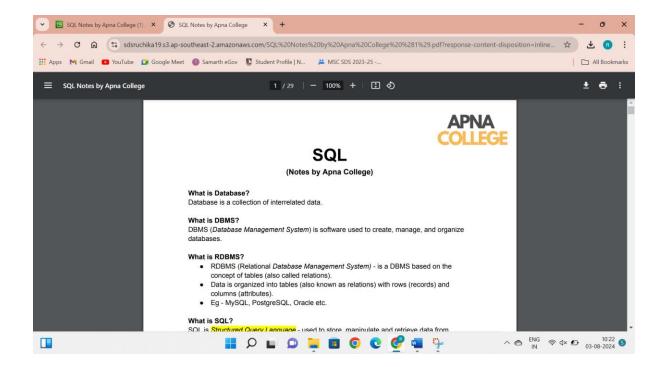




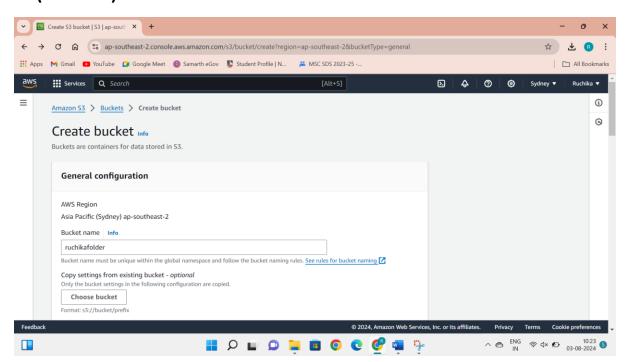


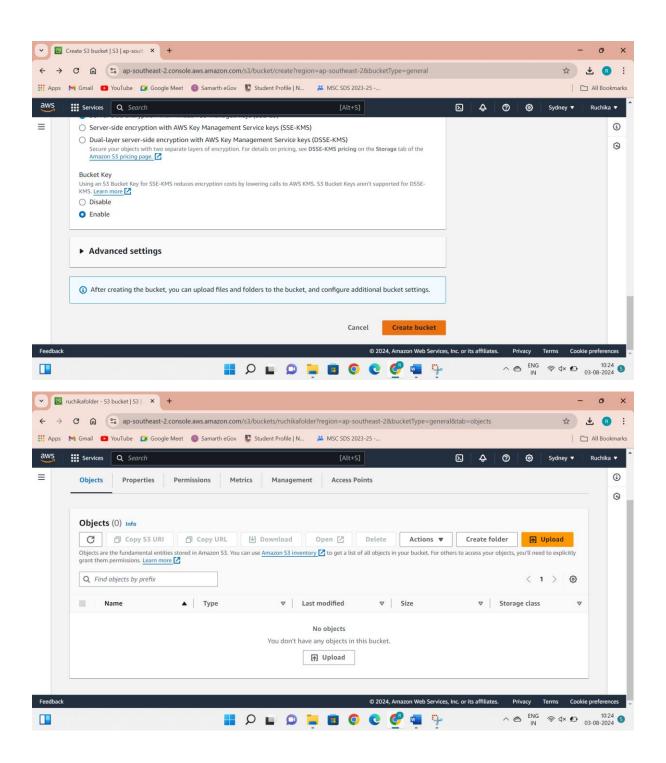


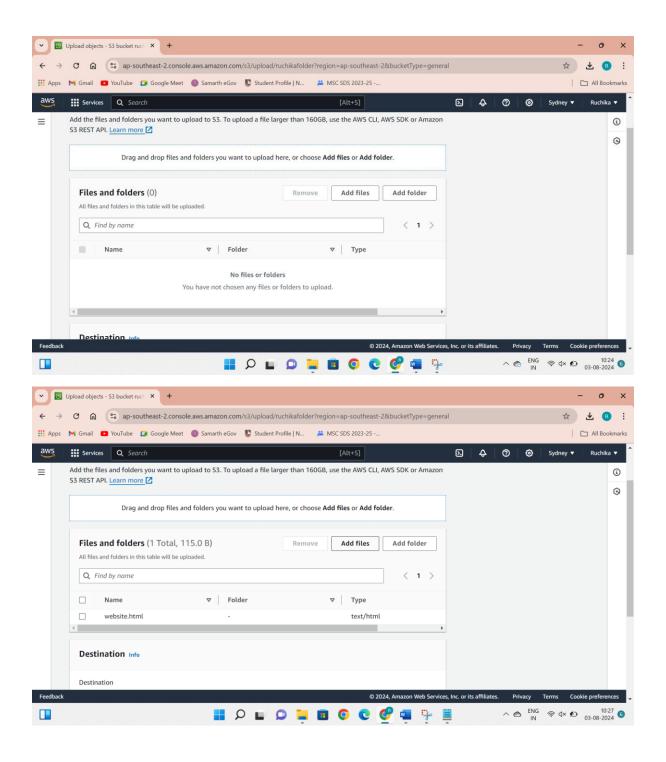


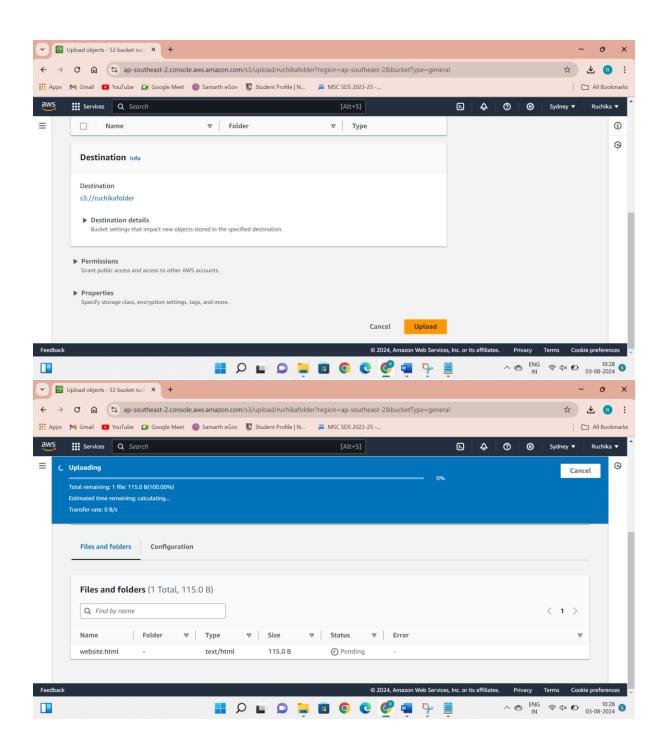


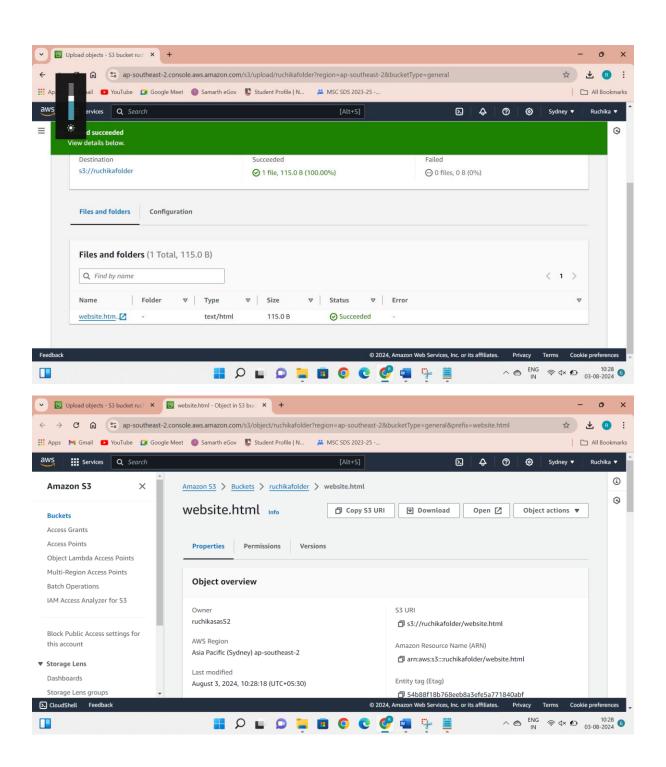
S3 (WEBSITE)













My First Website

Welocme to cloud computing

