**bucket is reginal Purpose**

**s3 is global purpose**

**S3 → Simple Storage service**

→ s3 is storage for the

internet you Can use S3 to store and retrive any amount of data at any time from anywhere on the web

→it is object -based storage. ex:google drive

→Data is replicated across mulliple facilities

→ unlimited Storage

→ Amazon S3 Store data as objeets within s3 buckets

→ Bucket name has to be unique.

→ By default any object that you upload in S3 bucketes is private

\* A bucket a logical unit a Storage in Aws

\* object storage is a computer data Storage architecture That manage date as objects.

Types of S3 Storage clacses:

1. **53 Standard**

general- purpose Storage of frequenty accessed Bucket data • fast access for abject replication in multiple Availabililg zones. Cost will be based on our acces

2 **.S3 lA-infrequent Access**

Long - lived, but less frequently access date. Sow access, object replication in multiple availaibily zone the cost will be on our use → use you dont loos your data

1. **S3 one zone - lA** : is for arcess less frequently, but requires rapid access for needed no replication.

4. **s3 Intelligent Tiering**

-Automatically moves data .most cost affective tier

5**. s3 Glacier**

low cost storage class. for data Archiving ,we access one in year or two year .rarely access

6 . **Glacier Deep Archive:**

lowest Co st storage. retrival time 12 hrs. to store date like old medical data acces it like a decade.

\* **Life cycle policies:** "the data is automaticaly shifting from one storage type to other based on their age and then automaticaly deleted

\* if you want the date in public. mainly you want access to enable the AcL's

than we can make public.