Amazon S3 (Simple Storage Service)

* It is a storage
* We can store any data on S3
* It is a PAAS service
* EC2 is a IAAS
* When we use S3, we actually create a bucket
* Bucket:
  + It is a logical container where you can store the data
  + By default we can create 100 buckets an if we want to increase, then we can go upto 1000.
  + The data in bucket is called as bucket
* Object:
  + The data which we store in bucket is called as object
  + The data which is stored inside bucket should be converted into binary
  + Basically object converts data into binary
    - E.g. text file, photo, etc
  + We cannot store OS in bucket because OS cannot be converted into binary
  + Upto 5TB data can be stored in a bucket
* Creating bucket
  + Open S3 service
  + Click create bucket
  + General configuration
    - Bucket name (space and uppercase not allowed)
    - AWS Region
  + Object ownership
    - Click ALCs disabled
      * It multiple users want to be use same bucket then select ACLs enabled
  + Block public Access Setting
    - Uncheck block Access
  + Acknowledge turning off block
  + Click create bucket
* Creating data to upload on bucket
  + Create one html file in your base machine
  + Click on created bucket
  + Click on upload
  + Click add files
  + Select recently created html file
  + Click on upload
  + Select or click uploaded file
    - Copy object url
    - Go to properties
      * In static website setting
      * Click on edit
      * Enable
      * Click on static website
      * In index document 🡪 specify filename we created
      * Click save changes
      * Go to permission
      * In bucket policy
        + Click bucket policy (policy will always be in json format)
        + Click add new statement

json format:

{

}

* Changes in above json format

“Sid”:”static website”,

“Principal”:“\*”,

“Effect”:“Allow”,

“Action”:“S3”,

“Resource”:“<copypaste\_arn>/\*”

* Save change
* Again go to objects
* Copy url
* Paste in browser
* We successfully hosted website

Qusetion: Create a HTML file in local machine and host it on S3 bucket