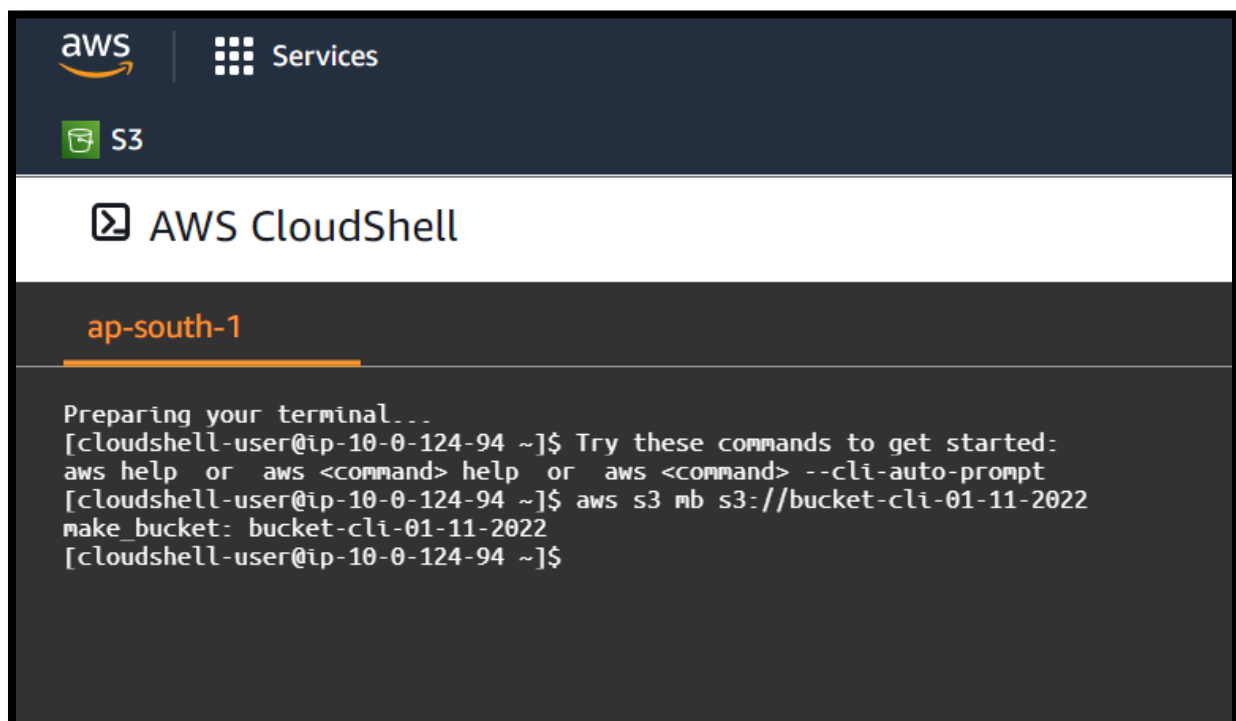
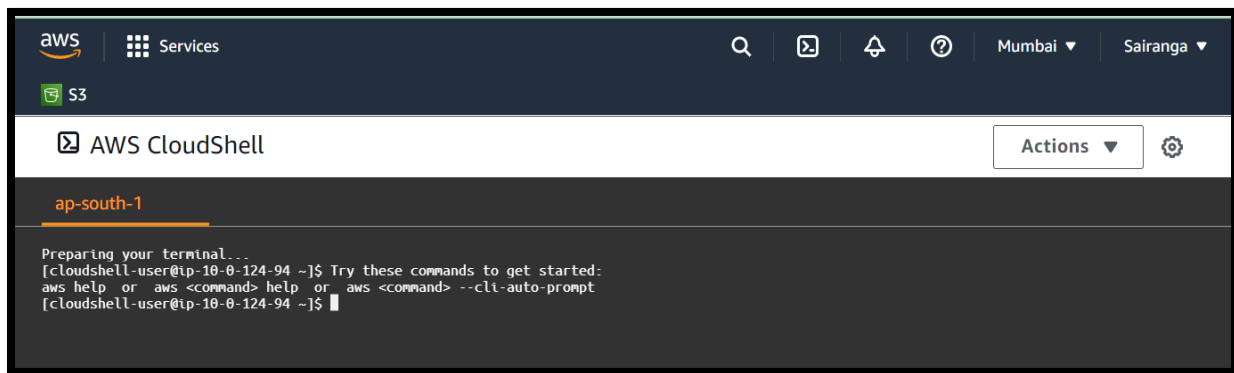
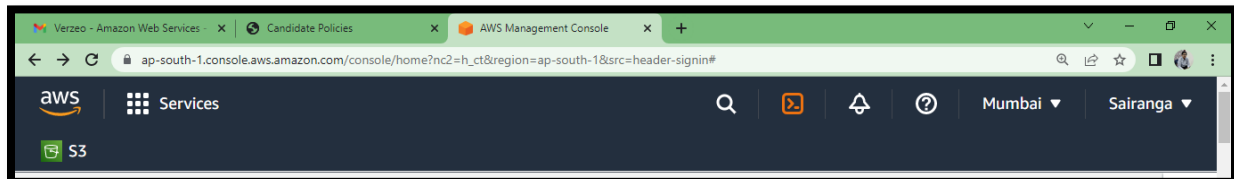


Amazon Web Services September Major Project

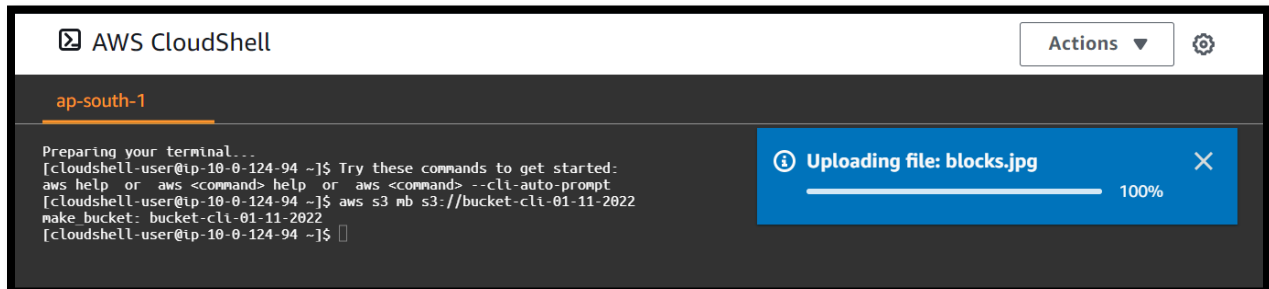
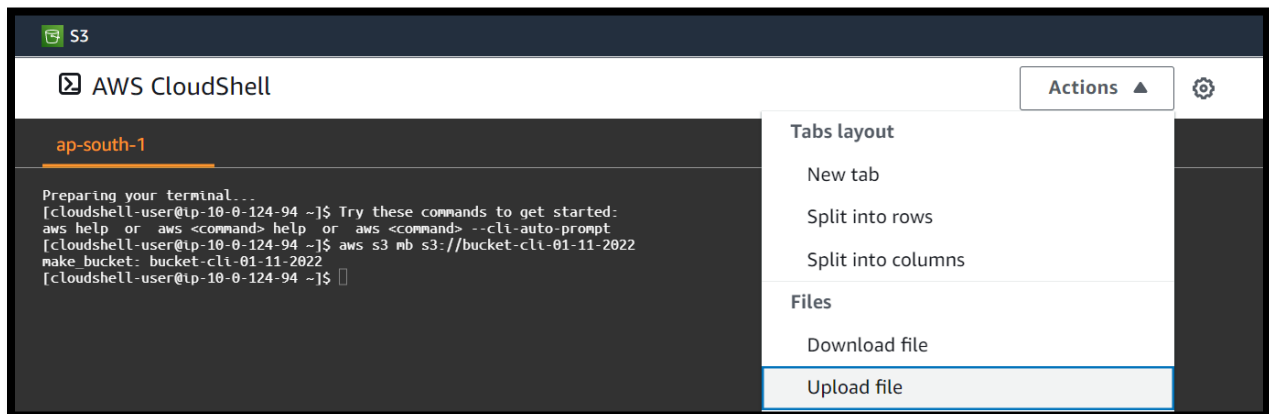
Objective (description): Challenge with S3 using AWS CLI

1.Creating an S3 bucket : Using CLI

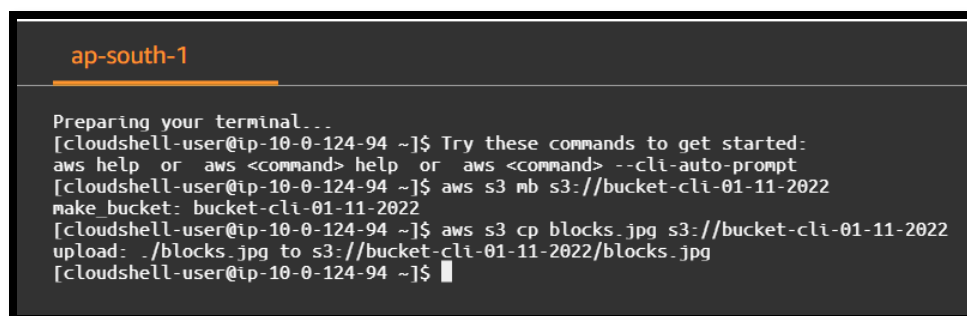


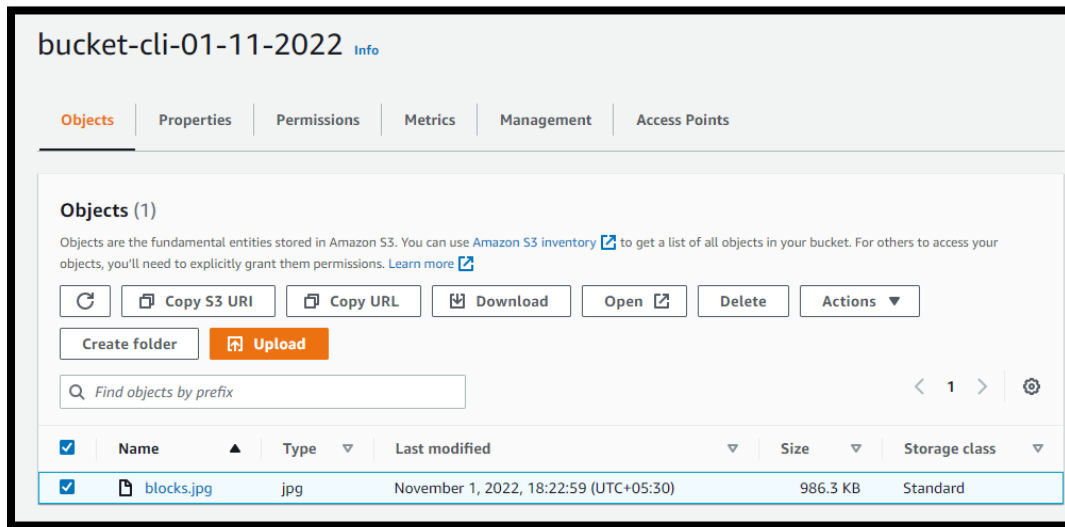


2. Uploading an object into this bucket(bucket-cli-01-11-2022):

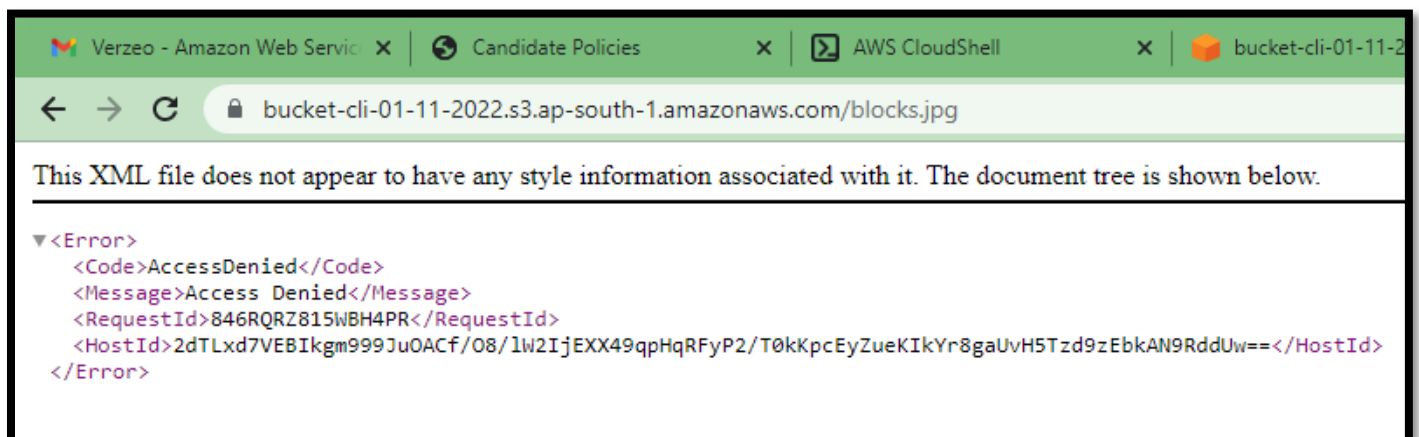
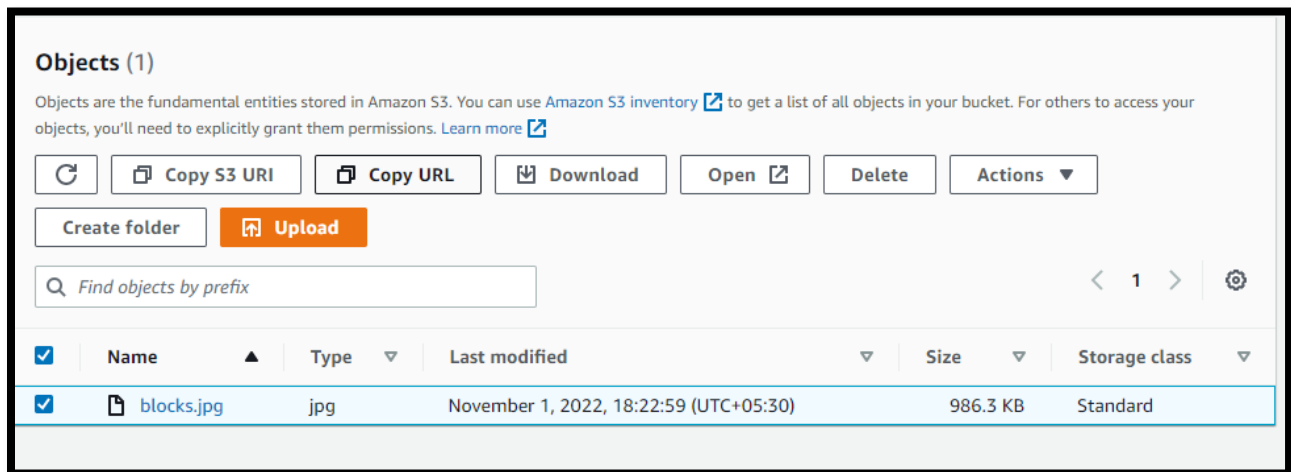


Copying and uploading object into s3 bucket (bucket-cli-01-11-2022)



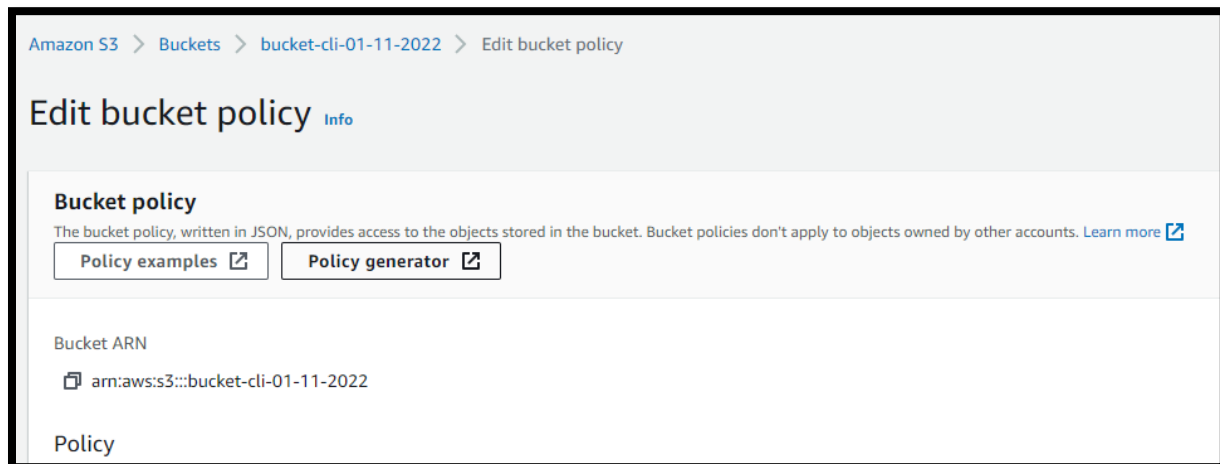
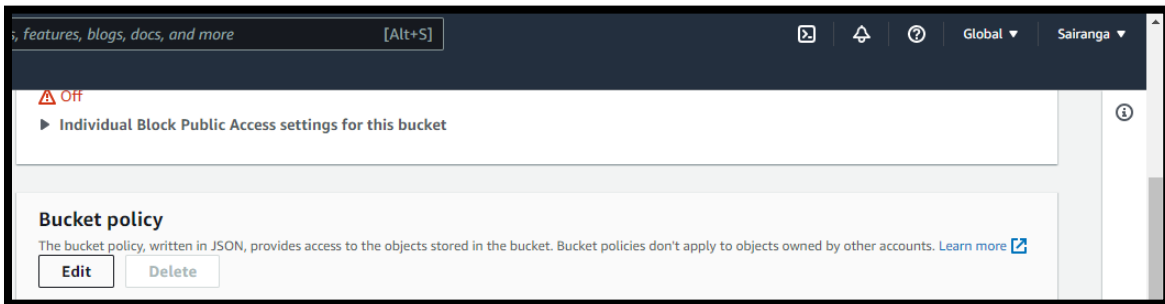
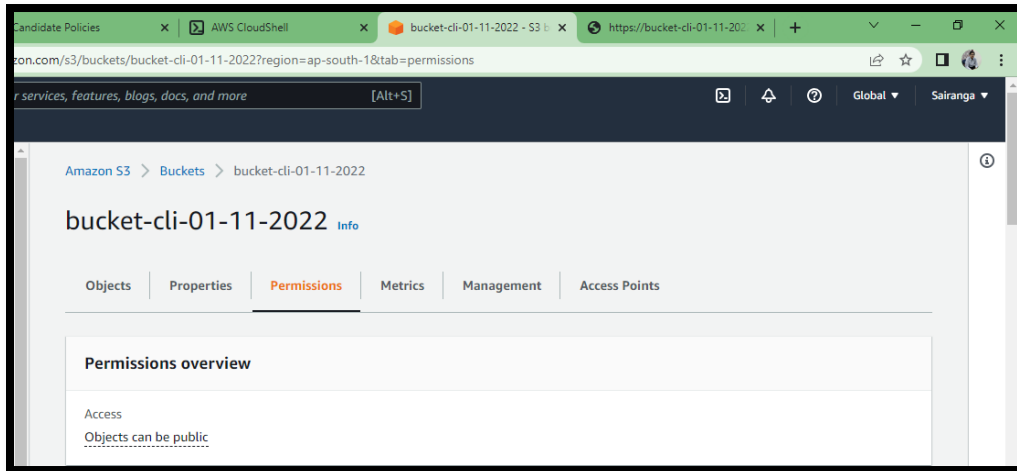


3. Trying to access the object using a web browser :



Unable to Access the object

4. Making the Object publicly accessible:



A Policy is a container for permissions. The different types of policies you can create are an IAM Policy, an S3 Bucket Policy, an S3 VPC Endpoint Policy, and an SQS Queue Policy.

Select Type of Policy S3 Bucket Policy

Step 2: Add Statement(s)

A statement is the formal description of a single permission. See a [description of elements](#) that you can use in statements.

Effect ☒ Allow ☐ Deny

Principal *

Use a comma to separate multiple values.

AWS Service Amazon S3 ☐ All Services ("*")

Use multiple statements to add permissions for more than one service.

Actions 1 Action(s) Selected ☐ All Actions ("*")

Amazon Resource Name (ARN) s3::bucket-cli-01-11-2022/*

ARN should follow the following format: arn:aws:s3:::{BucketName}/{KeyName}.

Use a comma to separate multiple values.

[Add Conditions \(Optional\)](#)

[Add Statement](#)

You added the following statements. Click the button below to Generate a policy.

Principal(s)	Effect	Action	Resource	Conditions
*	Allow	s3:GetObject	arn:aws:s3:::bucket-cli-01-11-2022/*	None

Step 3: Generate Policy

A policy is a document (written in the [Access Policy Language](#)) that acts as a container for one or more statements.

[Generate Policy](#)

[Start Over](#)

Policy

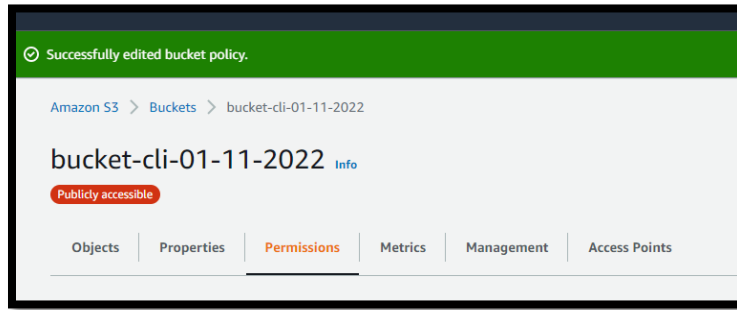
```
1 {
2   "Id": "Policy1667307276817",
3   "Version": "2012-10-17",
4   "Statement": [
5     {
6       "Sid": "Stmt1667307273565",
7       "Action": [
8         "s3:GetObject"
9       ],
10      "Effect": "Allow",
11      "Resource": "arn:aws:s3:::bucket-cli-01-11-2022/*",
12      "Principal": "*"
13    }
14  ]
15 }
```

Suggestions: 0

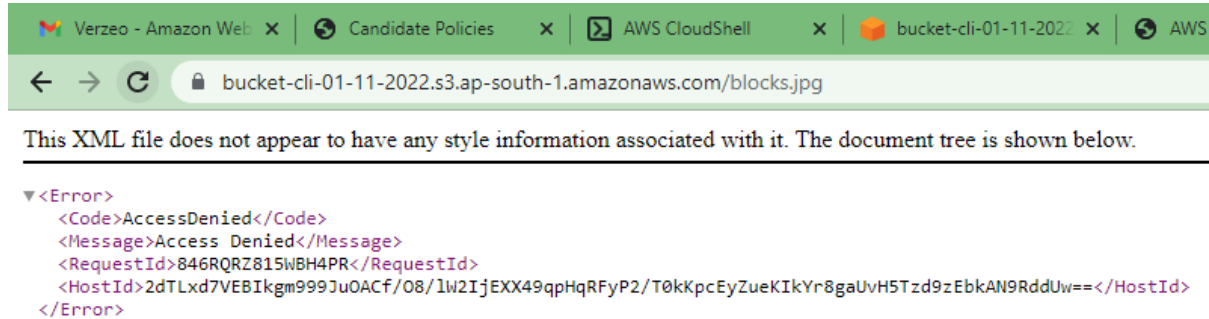
[Preview external access](#)

[Cancel](#)

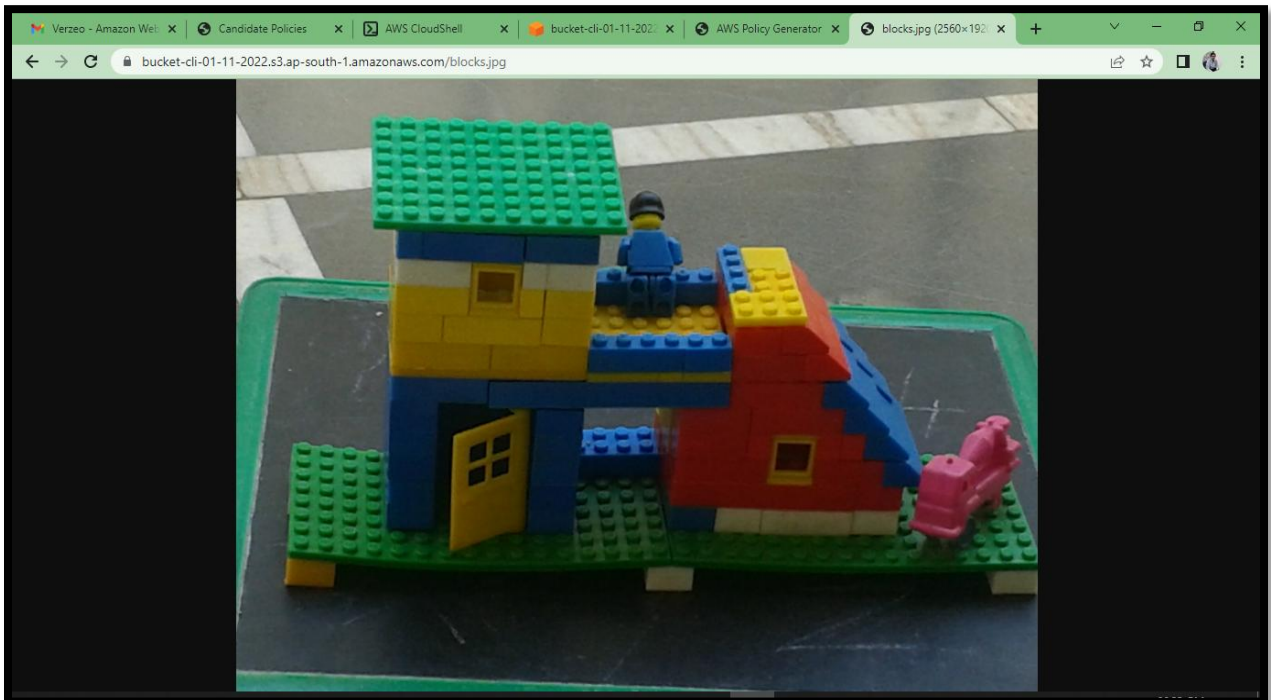
[Save changes](#)



5. Accessing the object using a web browser :

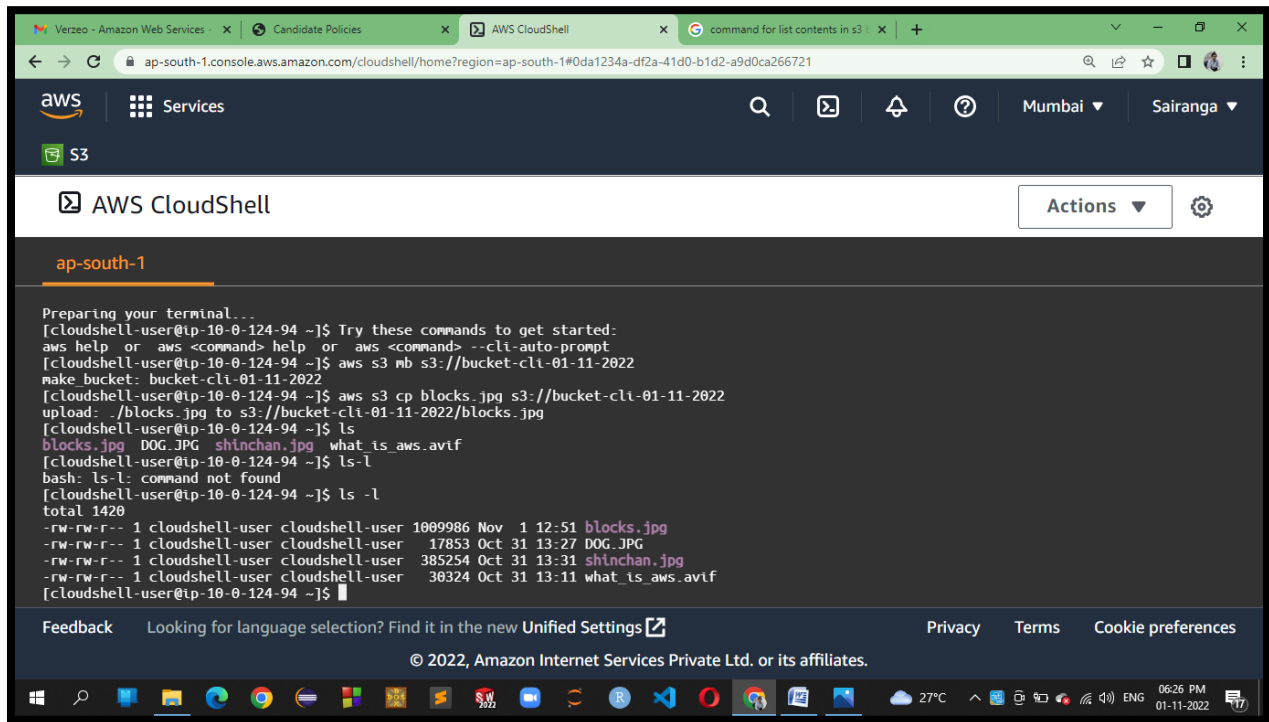


Refreshing the page :



Able to access the object

6. Listing the contents of the S3 bucket using AWS CLI :



The screenshot shows the AWS CloudShell interface in a web browser. The terminal window displays the following commands and output:

```
Preparing your terminal...
[cloudshell-user@ip-10-0-124-94 ~]$ Try these commands to get started:
aws help or aws <command> help or aws <command> --cli-auto-prompt
[cloudshell-user@ip-10-0-124-94 ~]$ aws s3 mb s3://bucket-cli-01-11-2022
make bucket: bucket-cli-01-11-2022
[cloudshell-user@ip-10-0-124-94 ~]$ aws s3 cp blocks.jpg s3://bucket-cli-01-11-2022
upload: ./blocks.jpg to s3://bucket-cli-01-11-2022/blocks.jpg
[cloudshell-user@ip-10-0-124-94 ~]$ ls
blocks.jpg  DOG.JPG  shinchon.jpg  what_is_aws.avif
[cloudshell-user@ip-10-0-124-94 ~]$ ls -l
bash: ls -l: command not found
[cloudshell-user@ip-10-0-124-94 ~]$ ls -l
total 1420
-rw-rw-r-- 1 cloudshell-user cloudshell-user 1009986 Nov  1 12:51 blocks.jpg
-rw-rw-r-- 1 cloudshell-user cloudshell-user   17853 Oct 31 13:27 DOG.JPG
-rw-rw-r-- 1 cloudshell-user cloudshell-user   385254 Oct 31 13:31 shinchon.jpg
-rw-rw-r-- 1 cloudshell-user cloudshell-user    30324 Oct 31 13:11 what_is_aws.avif
[cloudshell-user@ip-10-0-124-94 ~]$
```

The interface includes an AWS logo, a 'Services' menu, and a search bar. The terminal output shows the successful creation of the bucket, upload of the file, and the execution of the 'ls' command to list the contents.

Project Successfully completed.