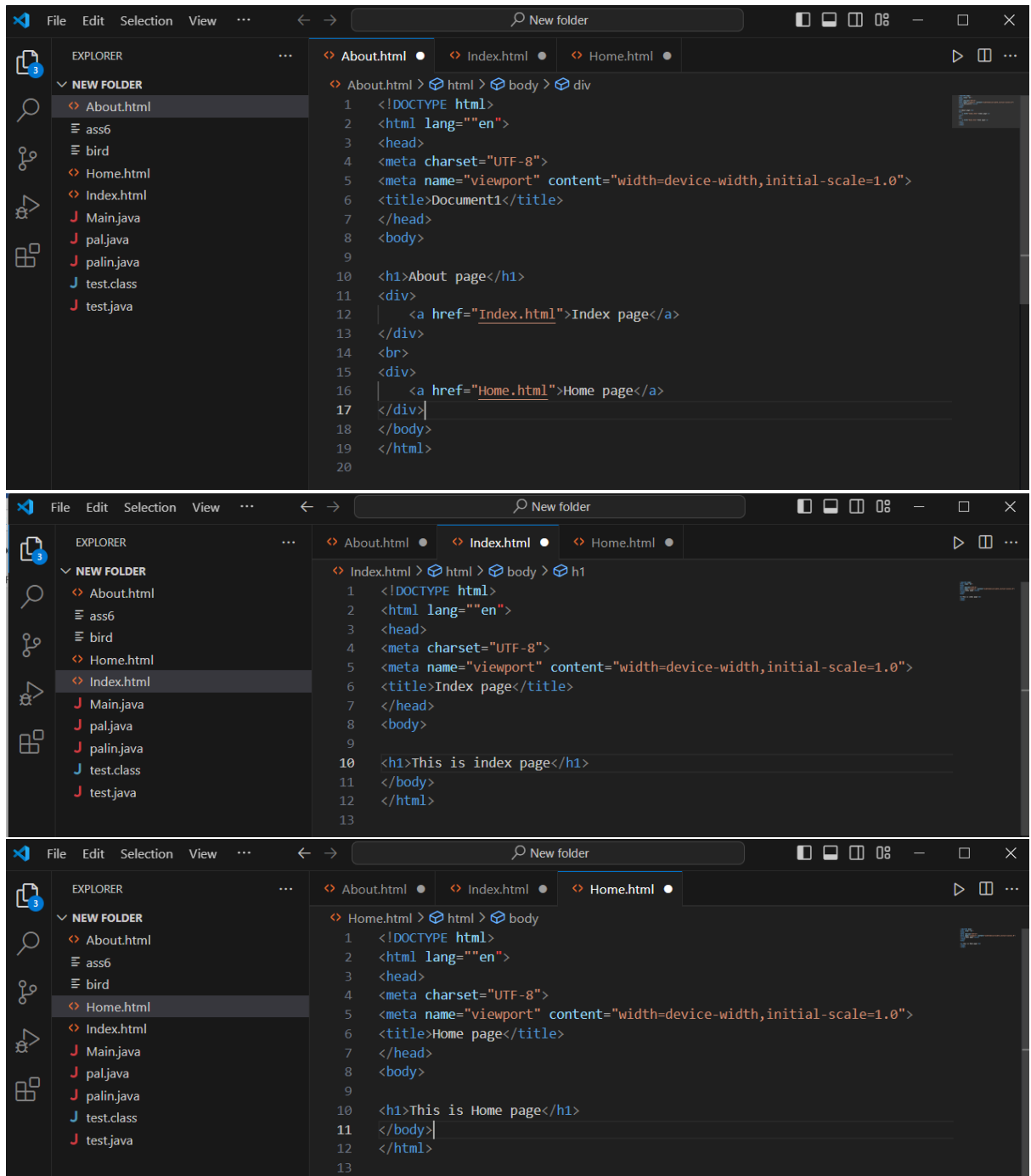


## ASSIGNMENT NO: 06

**Problem Statement:** Upload a static website on S3.

### **Steps:**

1. Initially, generate three HTML files: **Index**, **About**, and **Home**, each interlinked with one another.



The image displays three sequential screenshots of a code editor (VS Code) showing the creation of three interlinked HTML files: About.html, Index.html, and Home.html. Each screenshot shows the Explorer panel on the left with a 'NEW FOLDER' containing the three HTML files and various Java test files. The main editor area shows the code for the selected file.

**Screenshot 1: About.html**

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8">
5 <meta name="viewport" content="width=device-width,initial-scale=1.0">
6 <title>Document1</title>
7 </head>
8 <body>
9
10 <h1>About page</h1>
11 <div>
12 |   <a href="Index.html">Index page</a>
13 </div>
14 <br>
15 <div>
16 |   <a href="Home.html">Home page</a>
17 </div>
18 </body>
19 </html>
20
```

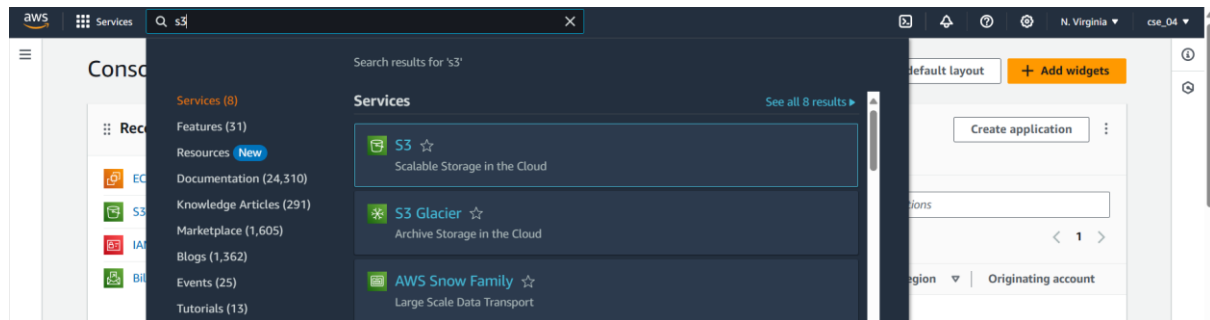
**Screenshot 2: Index.html**

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8">
5 <meta name="viewport" content="width=device-width,initial-scale=1.0">
6 <title>Index page</title>
7 </head>
8 <body>
9
10 <h1>This is index page</h1>
11 </body>
12 </html>
13
```

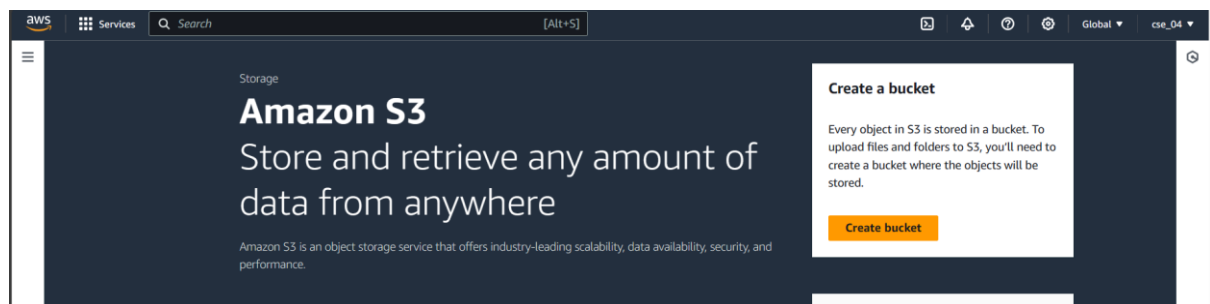
**Screenshot 3: Home.html**

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8">
5 <meta name="viewport" content="width=device-width,initial-scale=1.0">
6 <title>Home page</title>
7 </head>
8 <body>
9
10 <h1>This is Home page</h1>
11 </body>
12 </html>
13
```

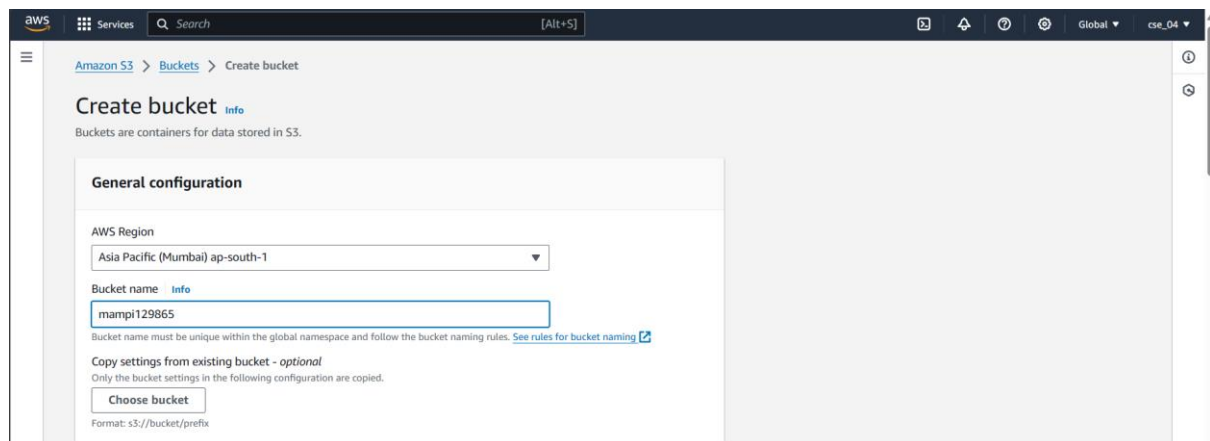
2. Now sign up for an AWS account, search for 'S3' then click on it.



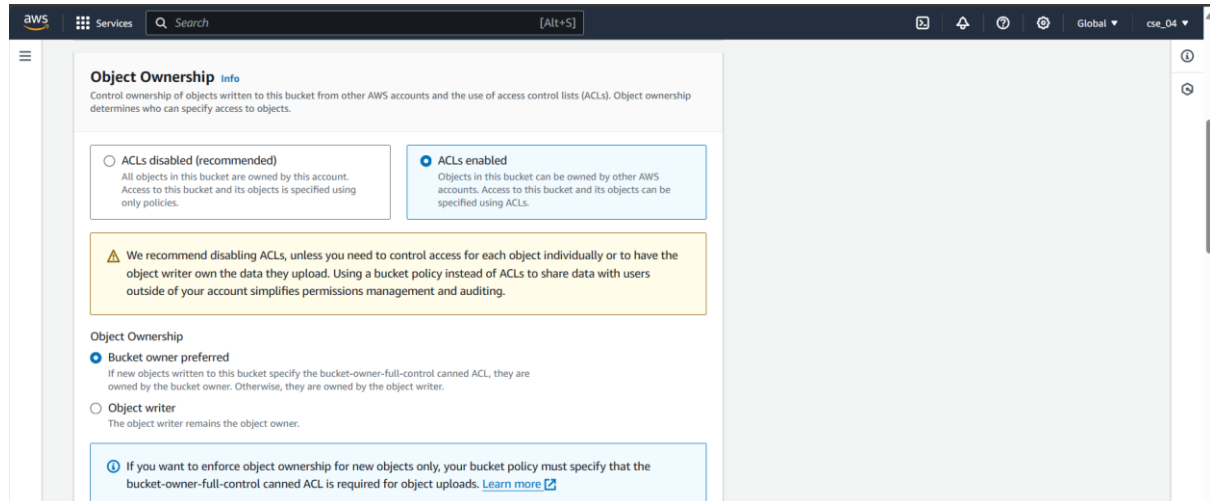
3. Click on 'Create bucket'.



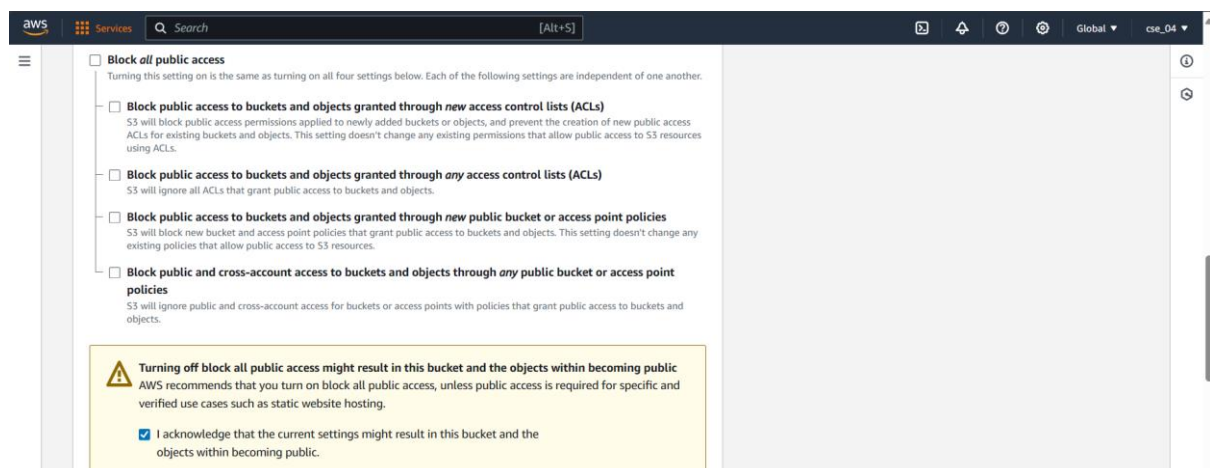
4. The subsequent window appears. From the drop-down menu, select 'Asia Pacific (Mumbai) ap-south-1' as the AWS Region. Next, specify a bucket name.



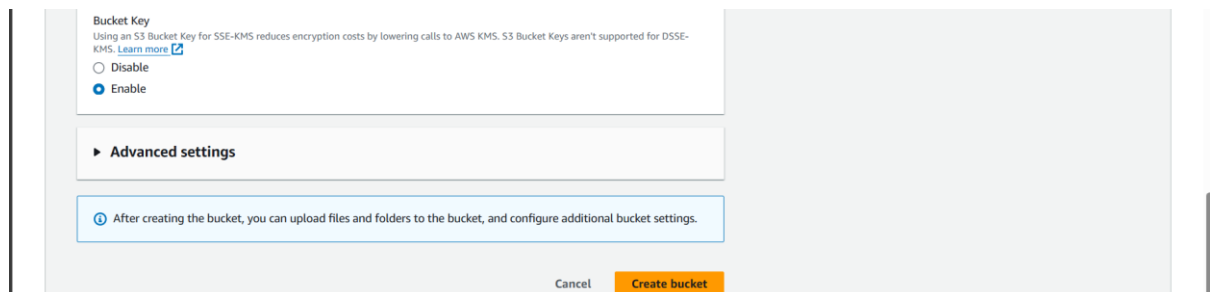
5. By default, the Object Ownership is set to 'ACLs disabled' in this window. Select 'ACLs enabled' since we are creating a public bucket for uploading static website.



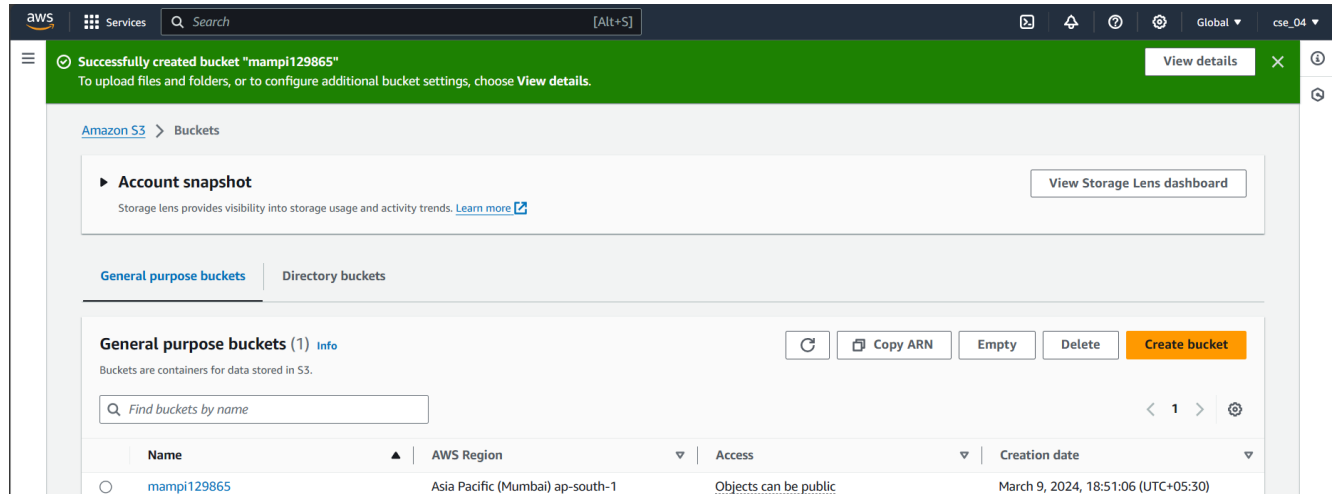
6. Now we uncheck 'block all public access' option and click on checkbox 'I acknowledge that the current settings might result in this bucket and the objects within becoming public'.



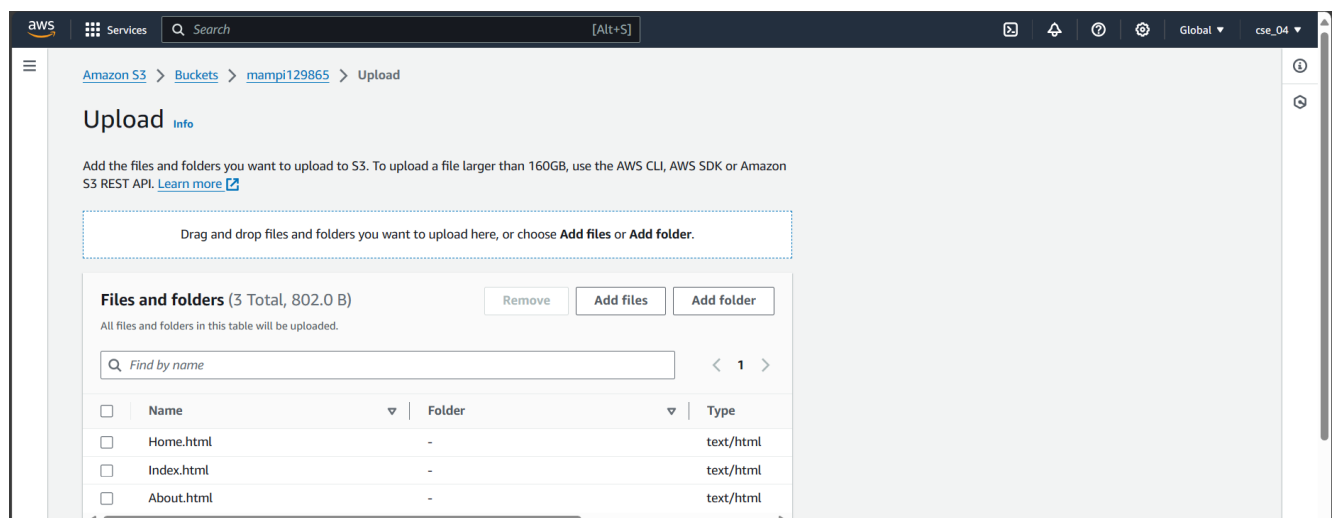
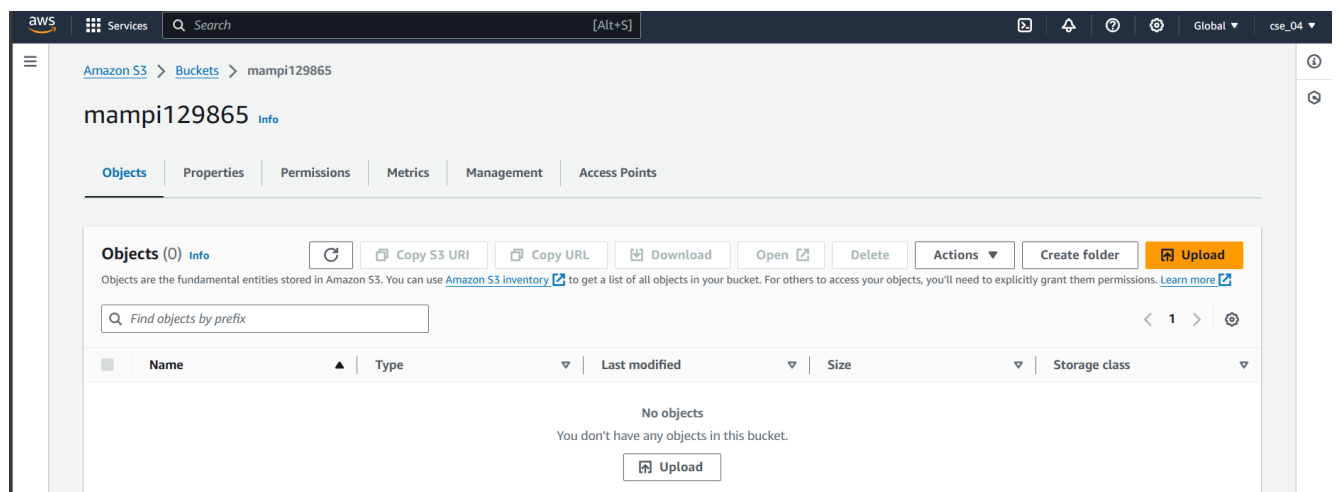
7. Scroll down without any further modifications and proceed to click on 'Create Bucket'.



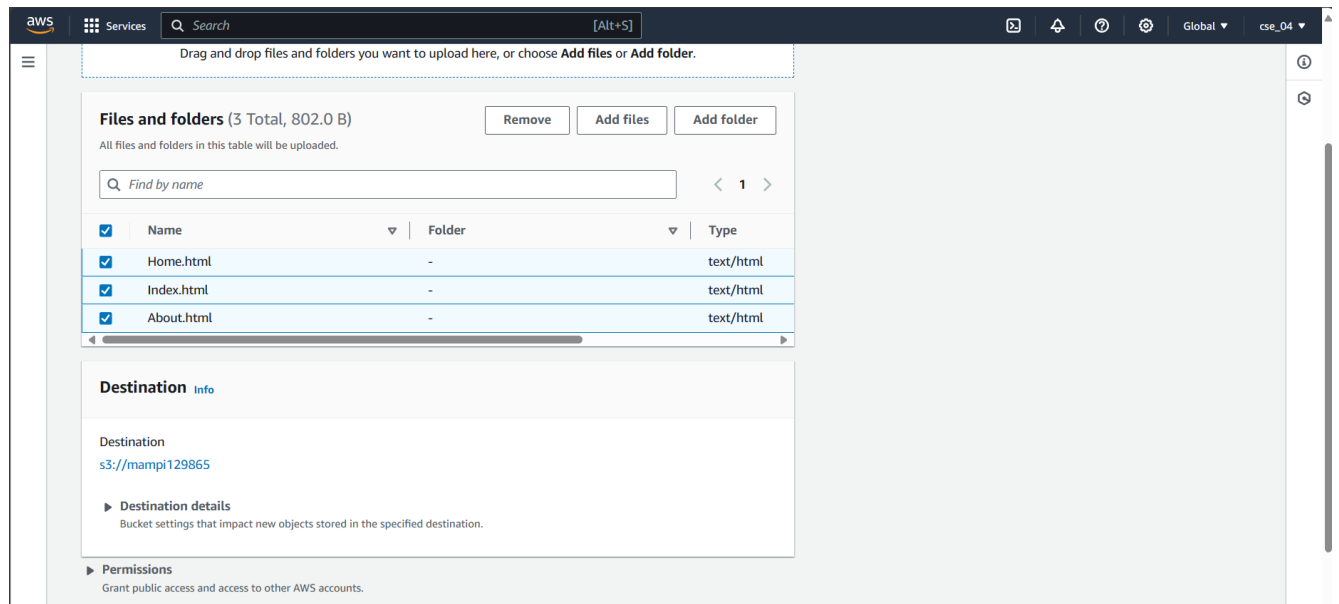
8. The bucket is created successfully. Now click on the bucket name.



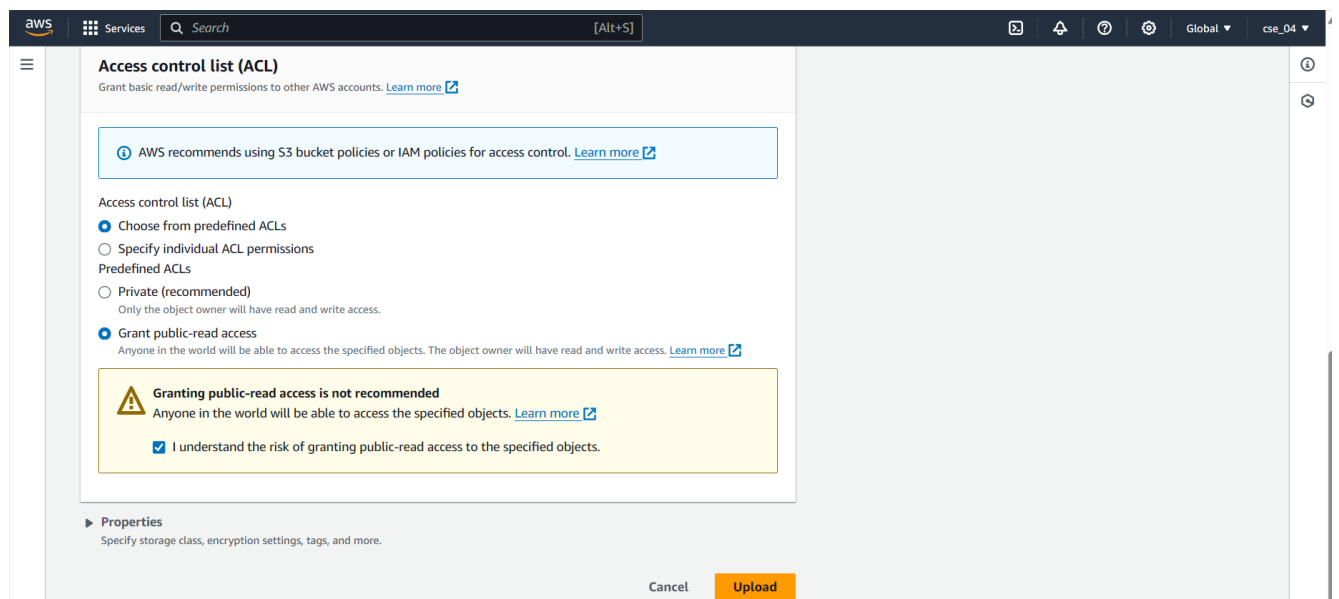
9. Choose the '**Upload**' option, which will lead to the opening of the subsequent window. From there, click on '**Add files**' and proceed to upload your desired file into the selected bucket. In this case, add the 3 HTML files.



10. Select all three files and proceed to the **Permissions** settings.



**11.** Next, click to **Grant public read access** and then ensure to mark the checkbox 'I understand the risk of granting public-read access to the specified objects' provided below. Then click on **Upload**.



**12.** The notification confirms that the file has been successfully uploaded. Click on '**Close**' to return.

aws Services Search [Alt+S] Global cse\_04

Upload succeeded  
View details below.

### Summary

Destination s3://mampi129865	Succeeded 3 files, 802.0 B (100.00%)	Failed 0 files, 0 B (0%)
---------------------------------	---	-----------------------------

Files and folders Configuration

Files and folders (3 Total, 802.0 B)

Find by name

Name	Folder	Type	Size	Status	Error
Home.html	-	text/html	230.0 B	Succeeded	-
Index.html	-	text/html	232.0 B	Succeeded	-
About.html	-	text/html	340.0 B	Succeeded	-

13. Proceed to the **Properties** section now.

aws Services Search [Alt+S] Global cse\_04

Amazon S3 > Buckets > mampi129865

## mampi129865

Info

Objects Properties Permissions Metrics Management Access Points

### Bucket overview

AWS Region Asia Pacific (Mumbai) ap-south-1	Amazon Resource Name (ARN) arn:aws:s3::mampi129865	Creation date March 9, 2024, 18:51:06 (UTC+05:30)
--	---	--

### Bucket Versioning

Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures. [Learn more](#)

Edit

14. Continue scrolling downwards and locate the option for **static website hosting**, then proceed to click on the "Edit" button.

aws Services Search [Alt+S] Global cse\_04

### Object Lock

Store objects using a write-once-read-many (WORM) model to help you prevent objects from being deleted or overwritten for a fixed amount of time or indefinitely. Object Lock works only in versioned buckets. [Learn more](#)

Object Lock  
Disabled

Edit

### Requester pays

When enabled, the requester pays for requests and data transfer costs, and anonymous access to this bucket is disabled. [Learn more](#)

Requester pays  
Disabled

Edit

### Static website hosting

Use this bucket to host a website or redirect requests. [Learn more](#)

Static website hosting  
Disabled

Edit

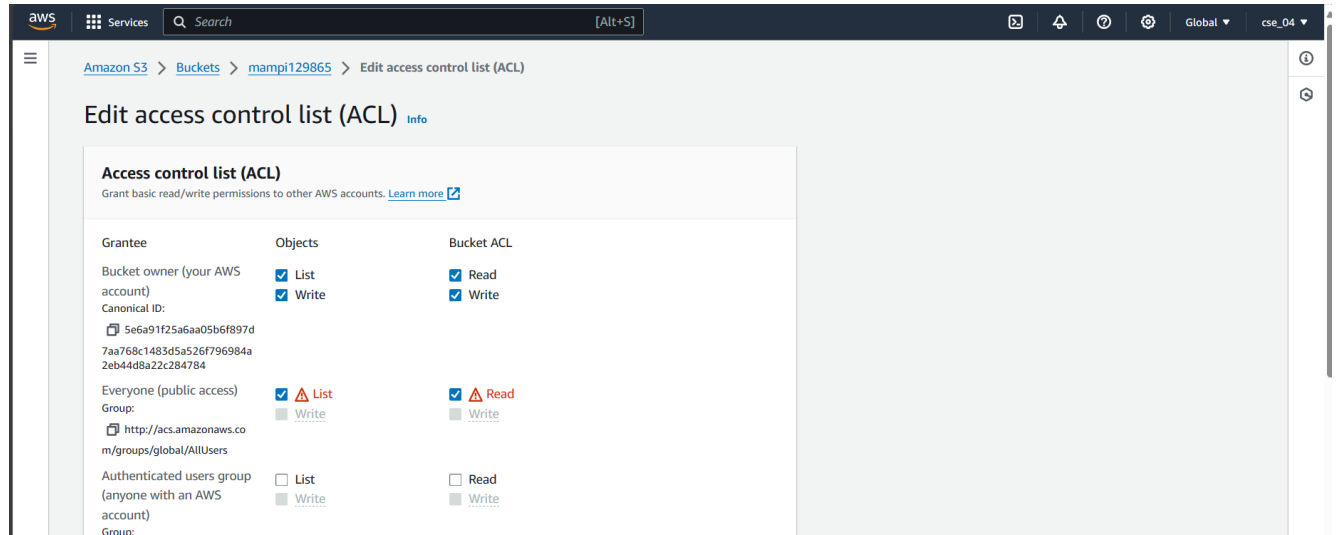
**15. Under 'Static website hosting', click on 'Enable', then fill in the name of index document and click on Save changes.**

The screenshot shows the AWS Management Console interface for editing static website hosting. The 'Static website hosting' section is active, with 'Enable' selected under 'Static website hosting'. Under 'Hosting type', 'Host a static website' is selected. A note indicates that content must be publicly readable. The 'Index document' field is filled with 'About.html'. At the bottom, there are 'Cancel' and 'Save changes' buttons.

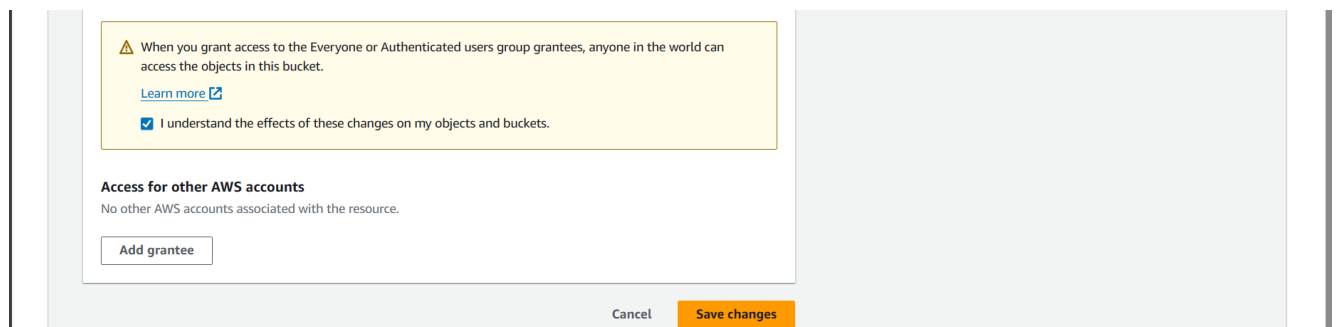
**16. Now go to Permission for bucket and then to ACL and click on edit option. Then click on List and Read checkbox.**

The screenshot shows the AWS Management Console interface for the 'Access control list (ACL)' of a bucket. The 'Edit' button is visible. A note states: 'The console displays combined access grants for duplicate grantees. To see the full list of ACLs, use the Amazon S3 REST API, AWS CLI, or AWS SDKs.' Below this, a table lists the grantees and their permissions.

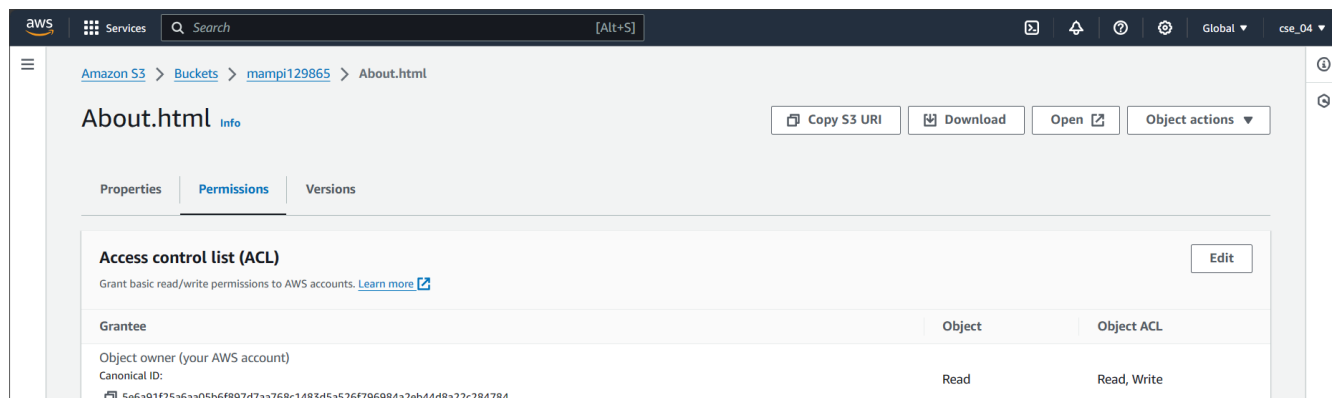
Grantee	Objects	Bucket ACL
Bucket owner (your AWS account)		
Canonical ID: 5e6a91f25a6aa05b6f897d7aa768c1483d5a526f796984a2eb44d8a22c284784	List, Write	Read, Write



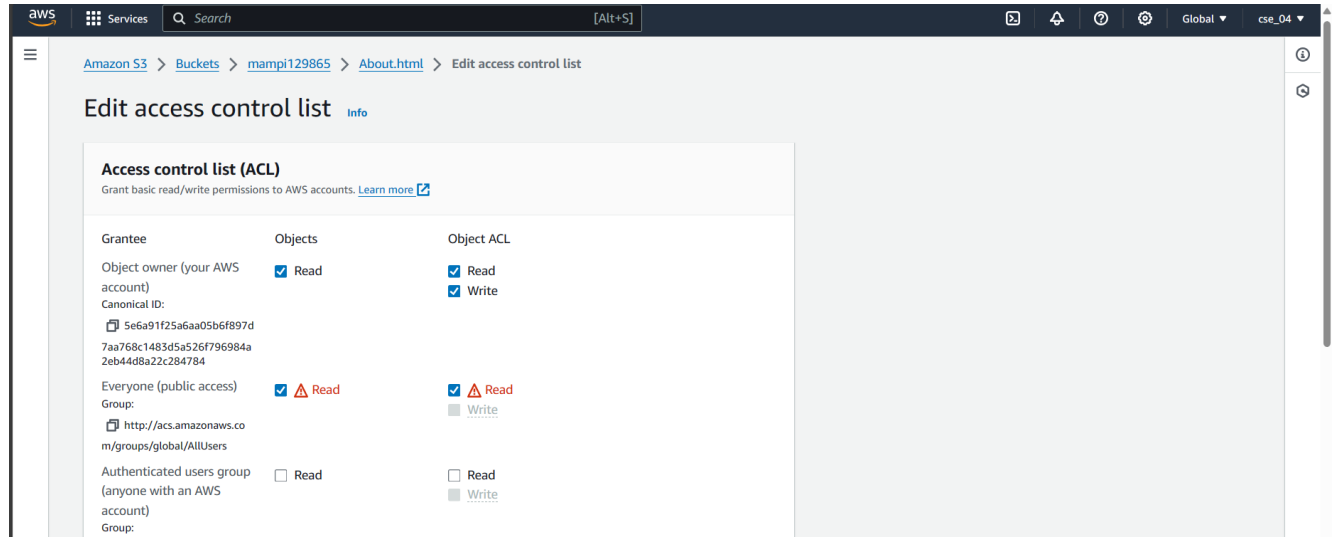
**17.** Now click on check box 'I understand the effects of these changes on my objects and buckets' and click on **Save changes**.



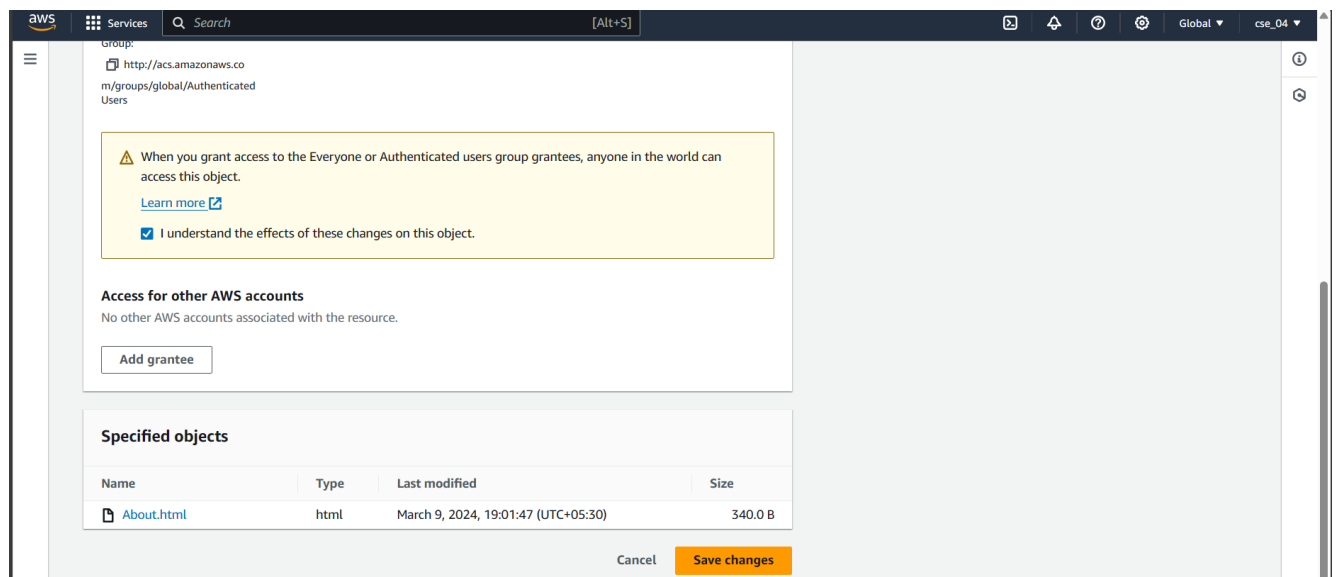
**18.** Now for each uploaded files we have to make it public. So at first we enter in index.html and go to **Permission** section and click on **Read** option of **Everyone(public access)** in **ACL**.



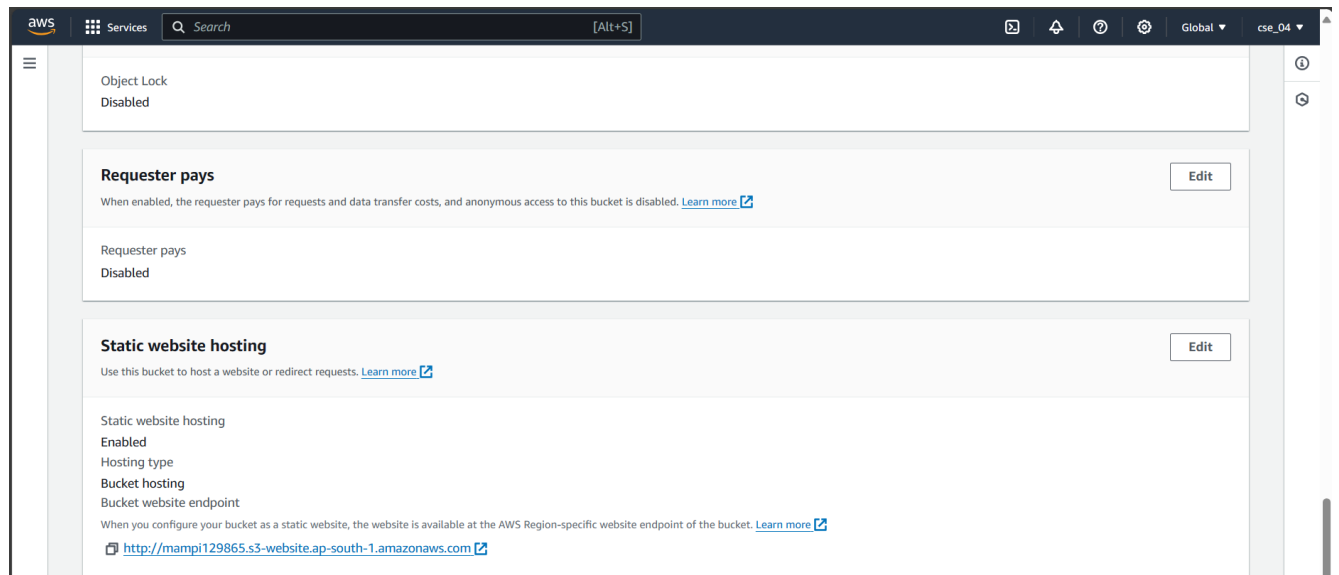




**19.** Then again click on **'I understand the effects of these changes on this object'** checkbox and click on **Save changes**. Now we have to do same for rest of home.html and about.html also.



**20.** Now go to **Properties** and go to **Static Website Hosting** and copy the link generated at that section.



**21.** Now paste this link after copying in another tab and there you can see your website. And also other two pages also working.

