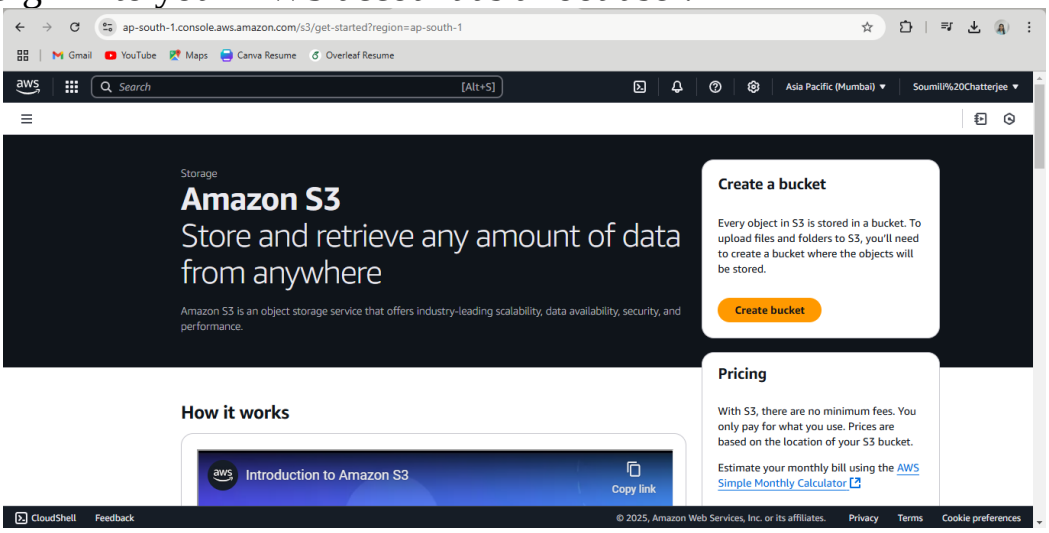
Assignment No. – 6

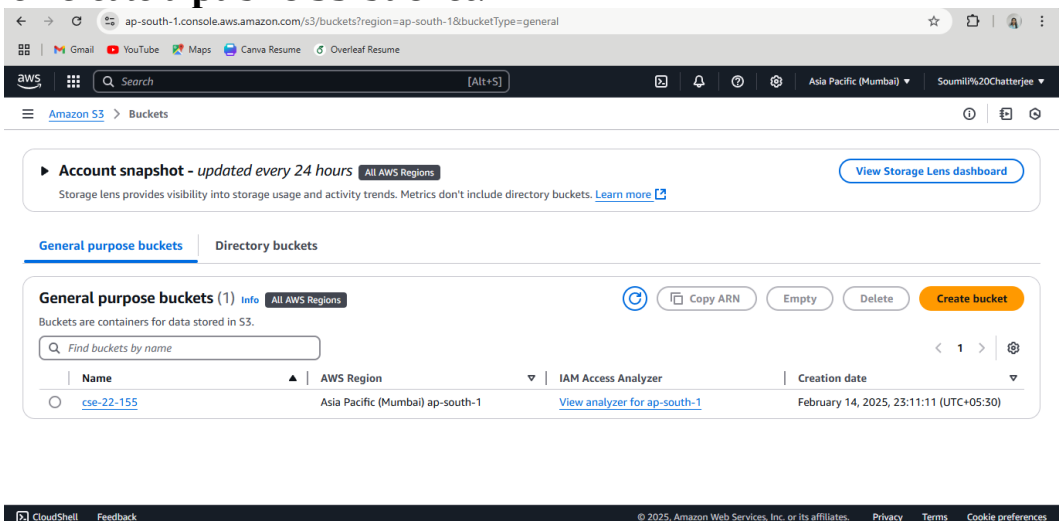
Problem Statement: Upload a static website on S3.

Procedure:

1. Sign in to your AWS account as a root user.



2. Then create a **public S3 bucket**.



3. Now create **three html files** anywhere in your computer.

a. The first one is named **index.html**.

b. The second one is named **about.html**.

c. The third one is named **contact.html**.

The contents of the files are:

index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Contact - My Website</title>
    <style>
        body { font-family: Arial, sans-serif; text-align: center; background-color: lightcoral; }
        nav a { margin: 0 15px; text-decoration: none; color: blue; }
    </style>
</head>
<body>
    <h1>Contact Us</h1>
    <nav>
        <a href="index.html">Home</a>
        <a href="about.html">About</a>
        <a href="contact.html">Contact</a>
    </nav>
    <p>Get in touch with us.</p>
</body>
</html>
```

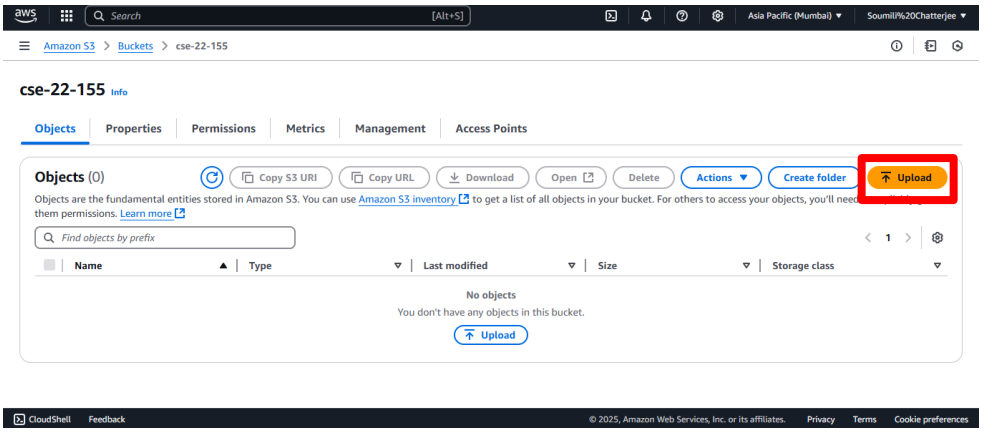
about.html

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>About - My Website</title>
    <style>
        body { font-family: Arial, sans-serif; text-align: center; background-color: lightyellow; }
        nav a { margin: 0 15px; text-decoration: none; color: blue; }
    </style>
</head>
<body>
    <h1>This is Soumili Chatterjee</h1>
    <h2>My roll number is 155</h2>
    <nav>
        <a href="index.html">Home</a>
        <a href="about.html">About</a>
        <a href="contact.html">Contact</a>
    </nav>
    <p>Learn more about us here.</p>
</body>
</html>
```

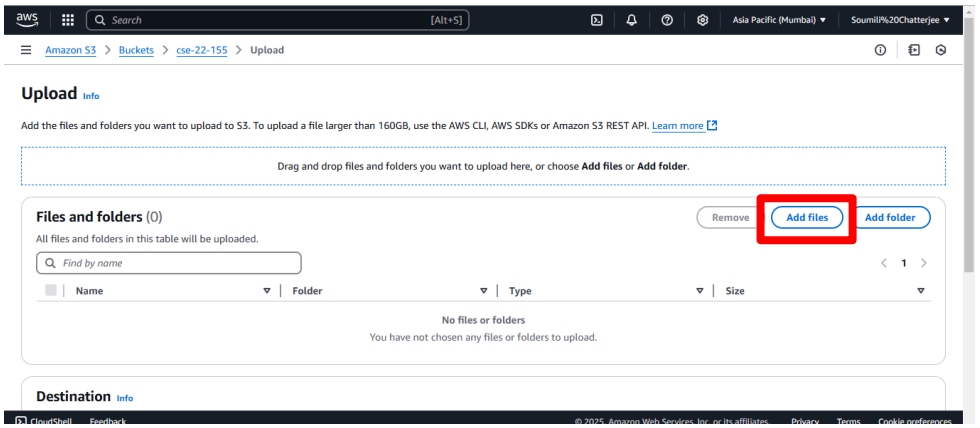
contact.html

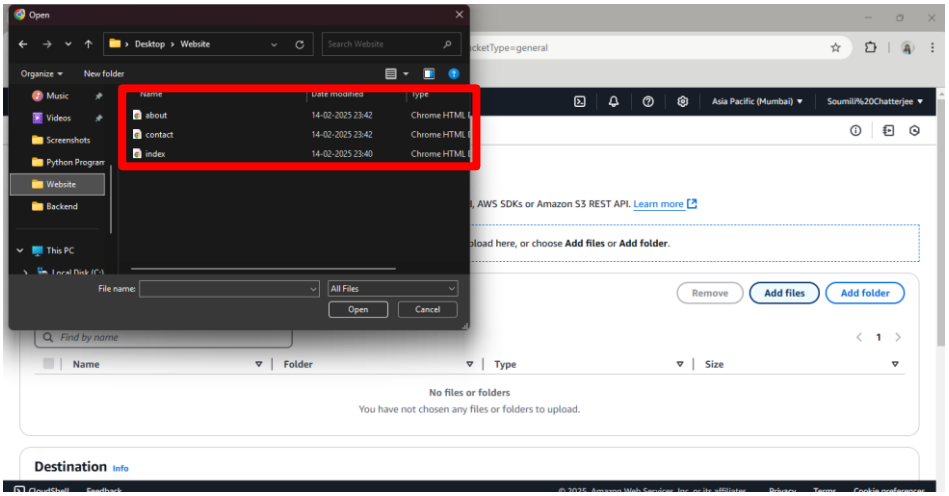
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Contact - My Website</title>
    <style>
        body { font-family: Arial, sans-serif; text-align: center; background-color: lightcoral; }
        nav a { margin: 0 15px; text-decoration: none; color: blue; }
    </style>
</head>
<body>
    <h1>Contact Us</h1>
    <nav>
        <a href="index.html">Home</a>
        <a href="about.html">About</a>
        <a href="contact.html">Contact</a>
    </nav>
    <p>Get in touch with us.</p>
</body>
</html>
```

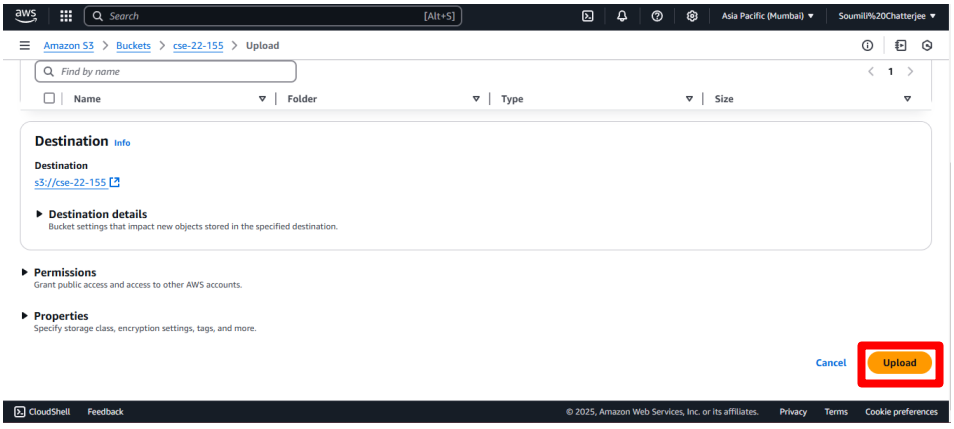
4. Now let us go back to AWS. Select the newly created public bucket. Click the **upload** button.



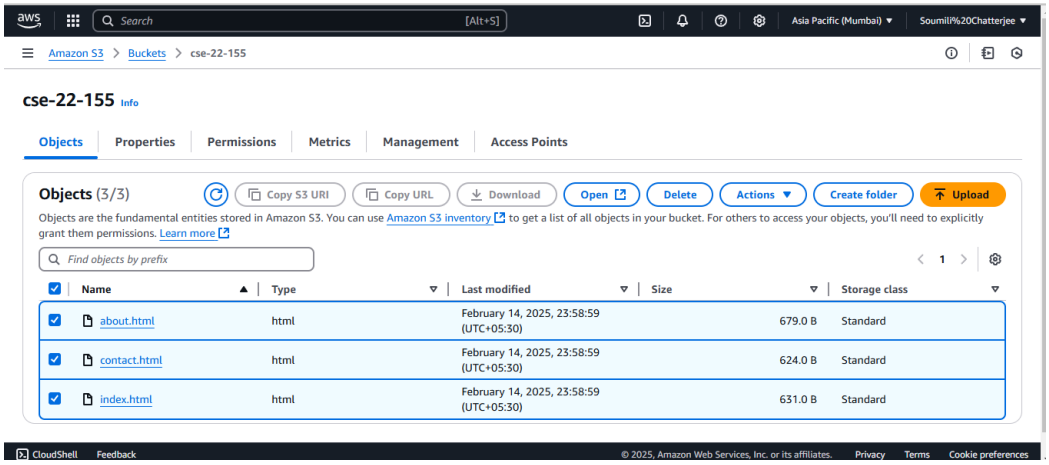
5. Next click on the **add files** button. Select all the **three html files** and upload them by pressing the **upload** button.



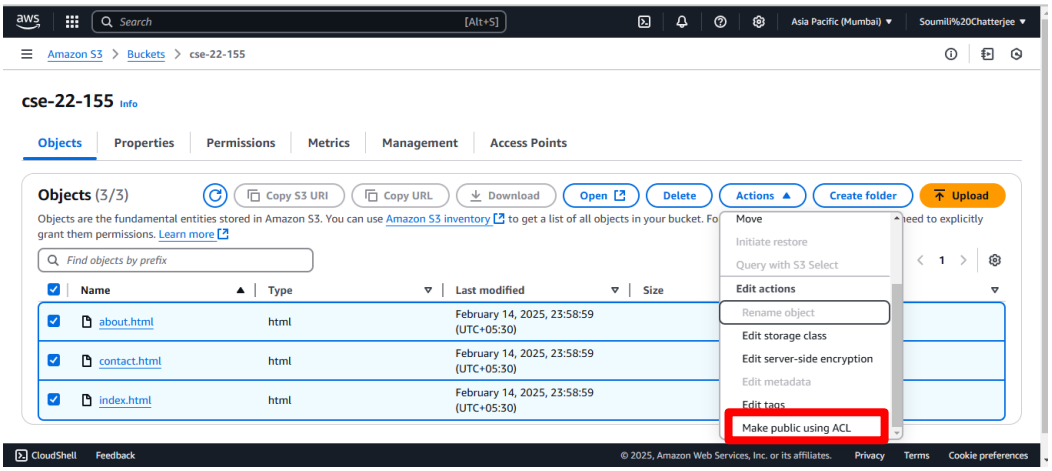




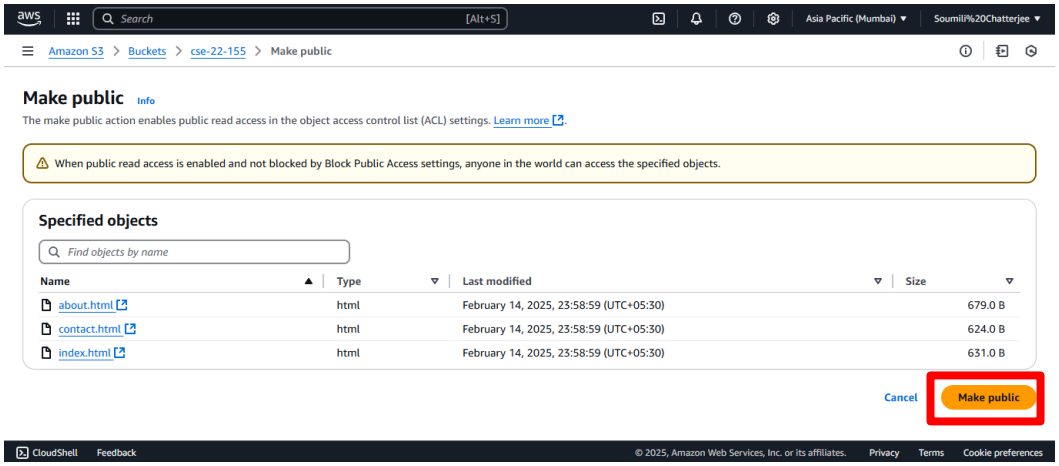
6. Now, after closing the upload status page when all files are updated, select all the files shown in the object table in the public bucket.



7. Click on the **actions** button and from the subsequent dropdown menu select "**Make public using ACL**".

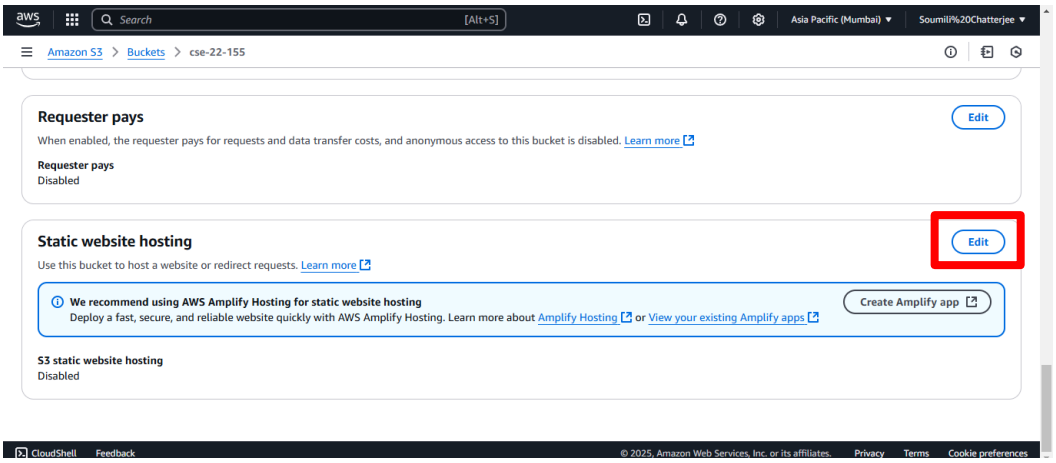


8. Click on "**Make public**" button to make all the selected files public.

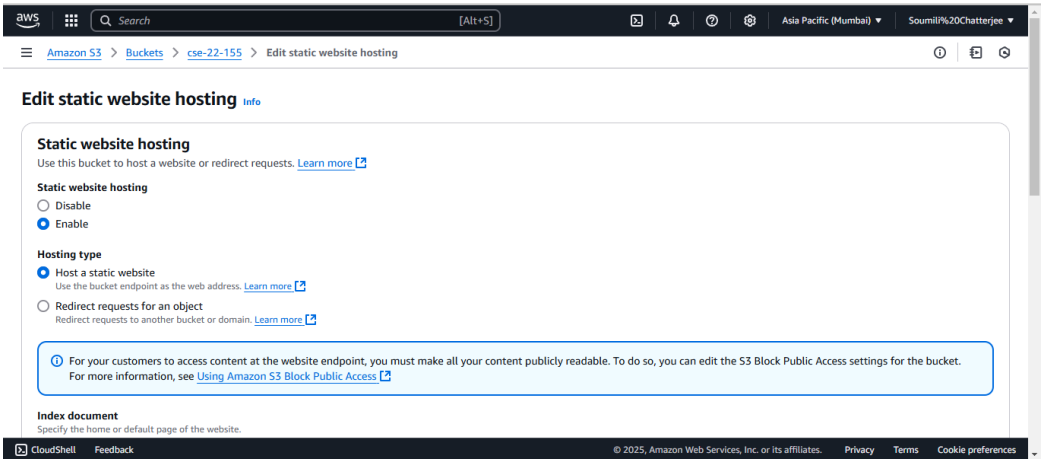


9. Now, after making public we **close** the status page and we are redirected to our public bucket page. Here, we select the **properties tab** of the bucket which is located at the right side of the objects tab.

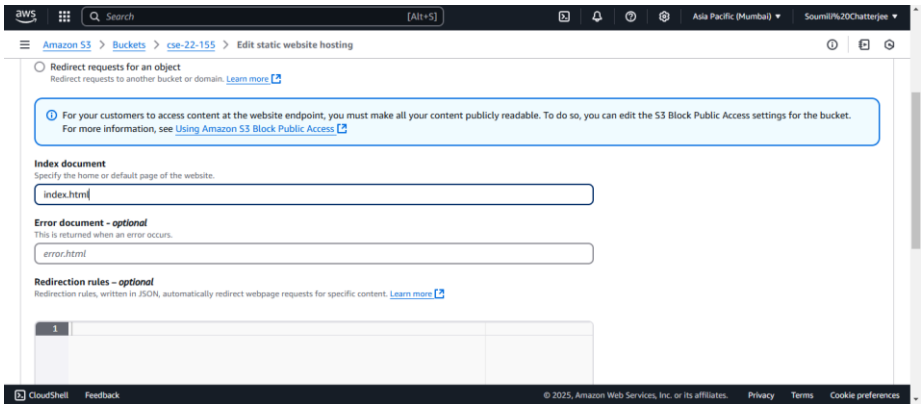
10. After arriving in the properties tab. Scroll down to the bottom. We will only focus on the **Static website hosting** section. By default, it will show **disabled**. We have to **enable** it. In order to do so, click on the **Edit** button on the right-hand side of the section.



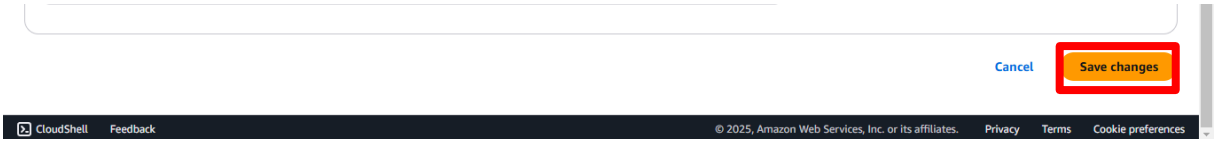
11. Now we will choose the **enable** option. After choosing it, multiple options will appear. Just follow the snapshot provided below and make the same changes.



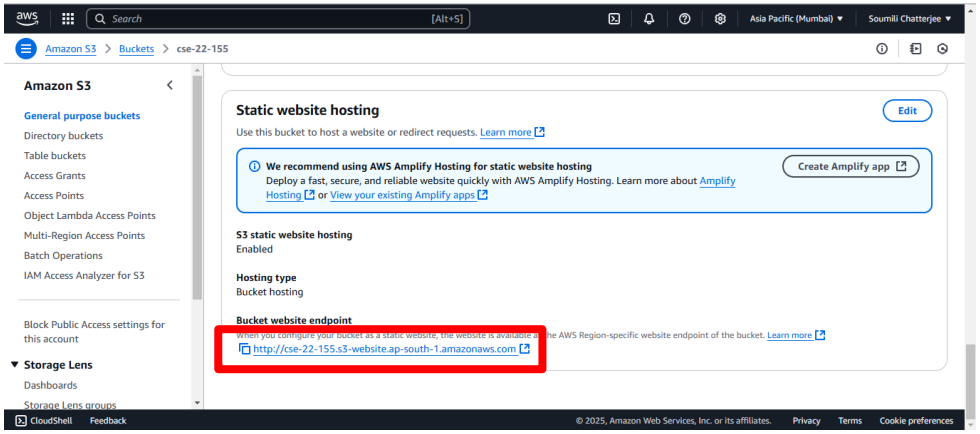
12. Next scroll down. Now we have to mention the html document for the link to show. This is the one which anyone can access using the bucket link. In our case we will mention **index.html** as our **main html file**. One can choose according to their wish and design.



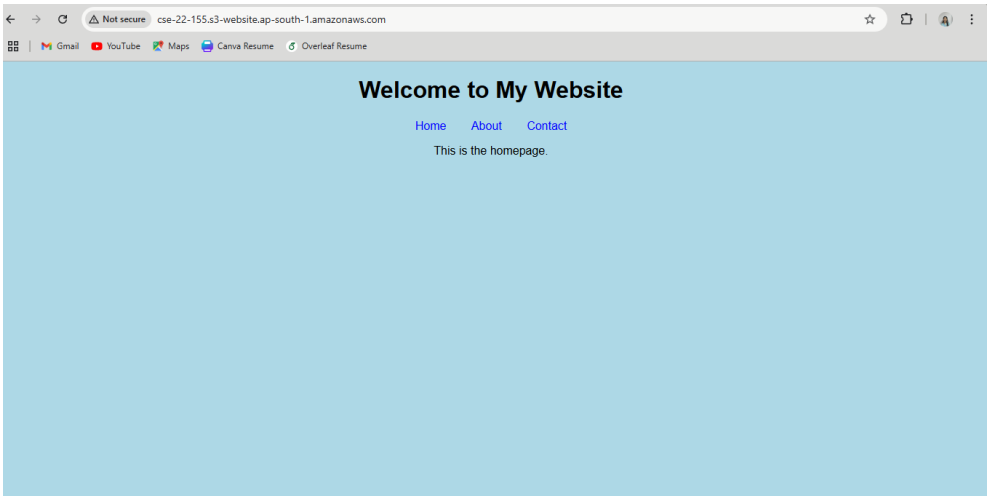
13. Next scroll down and click on **save changes** button.



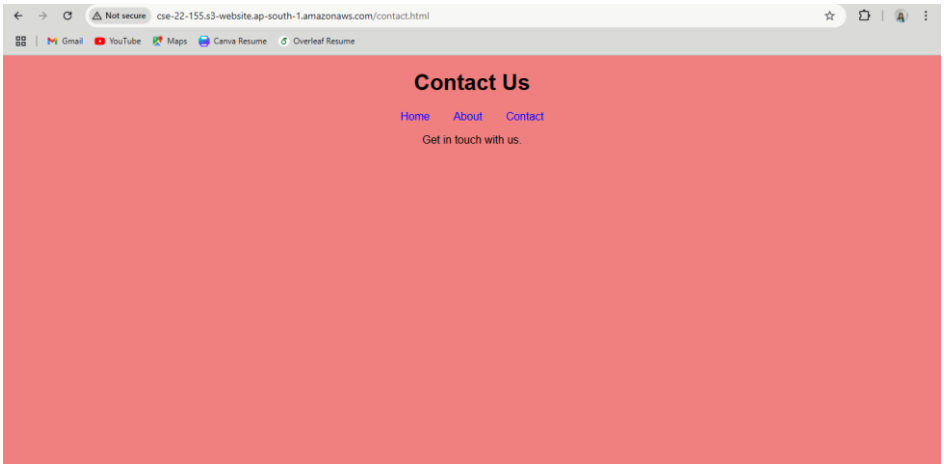
14. Now, you need to arrive again in the bucket's properties tab. Scroll down to the static website hosting area. Now you can see a link has arrived.



15. Copy the link and paste it in another browser.



16. We are now viewing the index.html page. As scripted, we can click on the About to arrive at the about.html page. Similarly, we can click on the Contact page to go the contact.html page.



So, we have successfully hosted a **static website** in amazon **S3**.