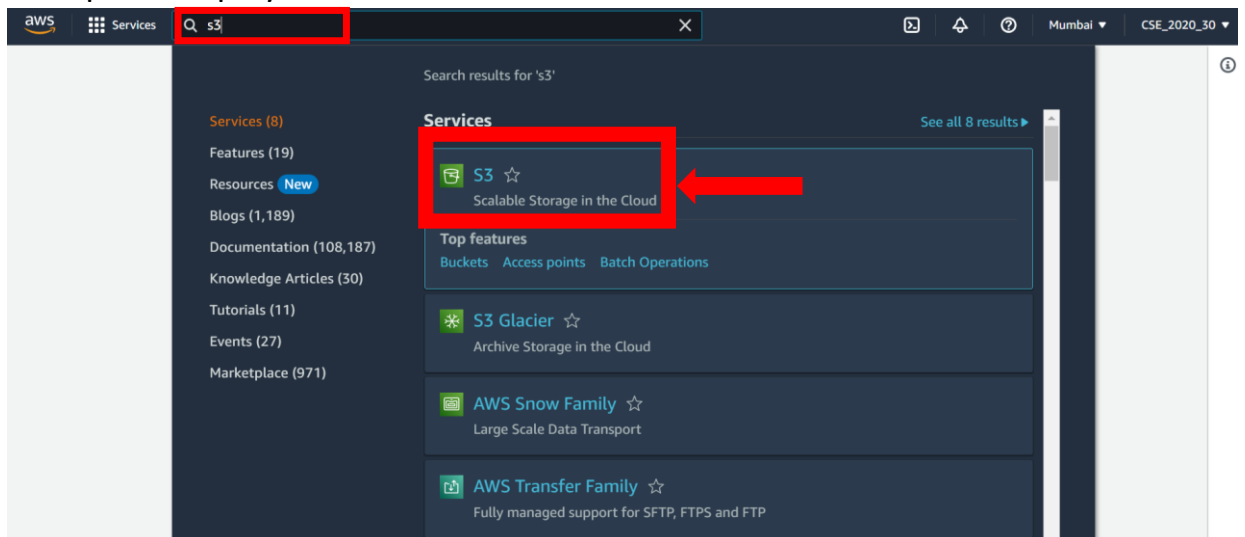# ASSIGNMENT 5

Problem Statement: Create a public bucket in AWS. Upload a file and give the necessary permission to check the file URL is working or not.
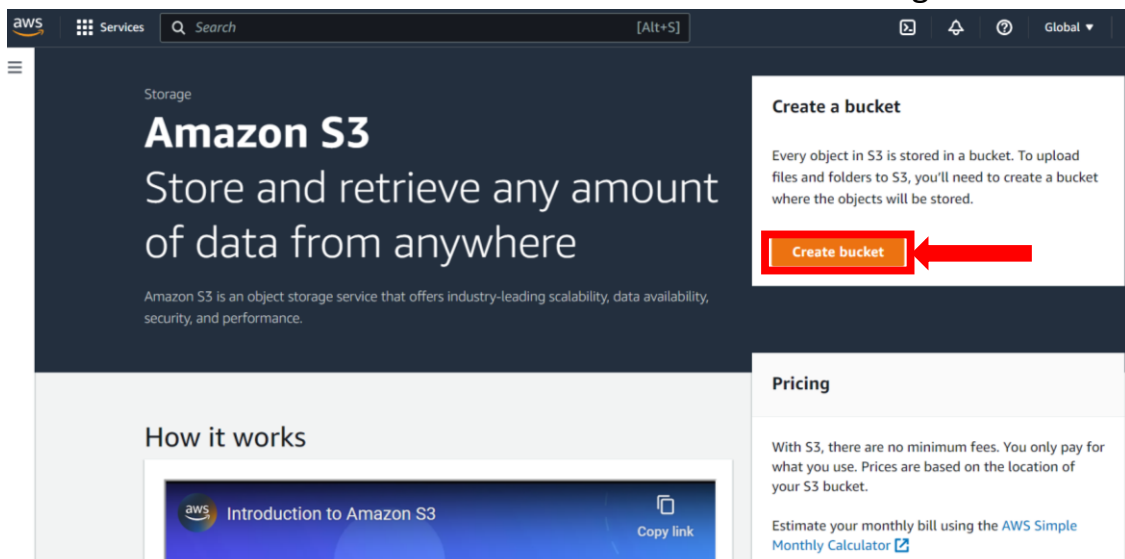
Procedure:

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

2. Now in the **homepage** search for **S3** in the **search box** and then select the first option displayed.

3. After clicking on it, you will be redirected to the **Amazon S3** homepage. There we have to click on the **create bucket** button on the right-hand side.

4. Next you will go to the **Create bucket screen** where you have to configure your bucket before creating it.

   a. Choose a globally unique name for your bucket. It should NOT contain any spaces or any uppercase letters.

   b. Select the **AWS Region** as **Asia Pacific (Mumbai) ap-south-1**. **Remember** you can avail other options but each server region has **different pricing** associated with it. Since, we are **living in India**, we are choosing the one **closest to us** to remain fairly priced.

   c. Next, we go to Object Ownership section where we **keep ACLs enabled option CHECKED**. We also keep "**Bucket owner preferred**" option **CHECKED** in the object ownership choice

   d. Next, we **UNCHECK** the **Block all public access** option.

   e. **Remember** to **CHECK** the "**I acknowledge that the current settings might result in this bucket and the objects within becoming public**" option **just below**.

   f. Everything else remains **unchanged**.

   g. Now **click** on the **Create bucket** button.

5. After that we are redirected to the buckets page where we can see all our buckets in a table format.

6. Now we **click** on our **newly selected bucket** (**on the name**).
7. Now we have **successfully entered** into our newly created bucket.
8. Click the **Upload** button **to upload a file** in our bucket.
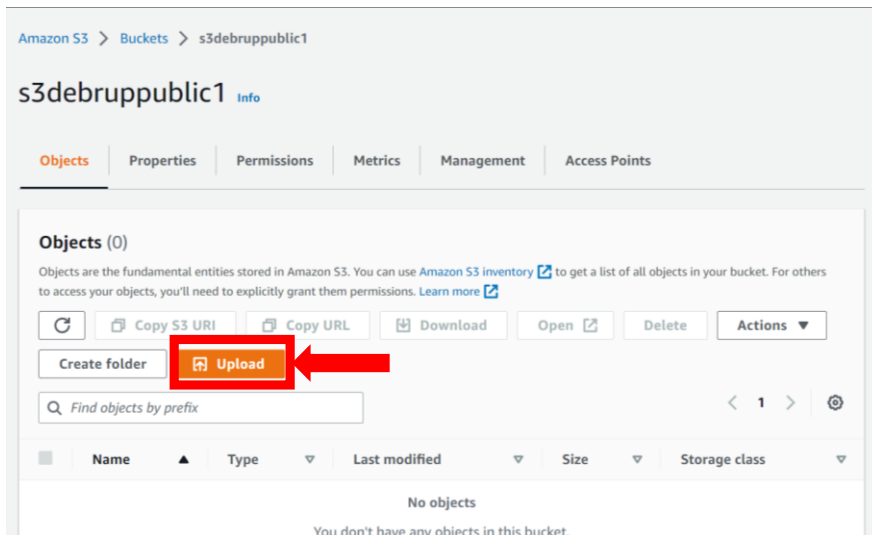
9. After clicking you will be redirected to the **Upload page**. **Click** on **Add files button** to add a file.
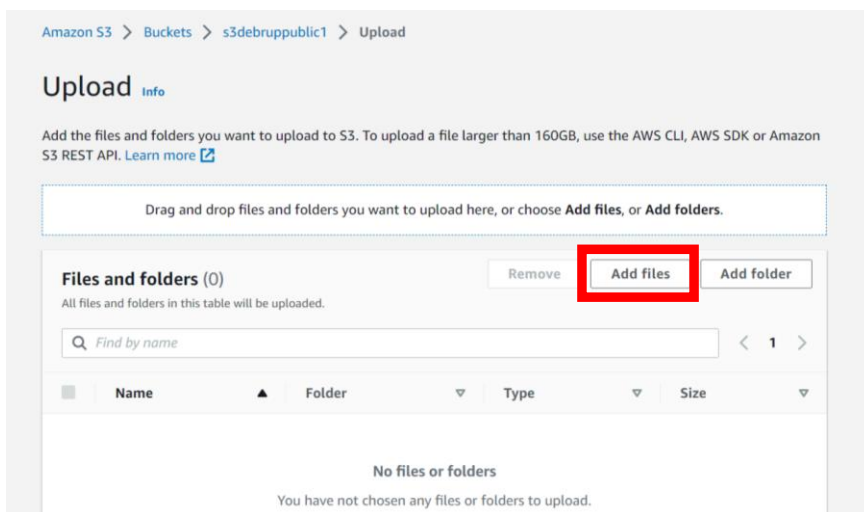
10. You will be shown a box to browse from your pc to upload a file. **After selection click on upload button**.
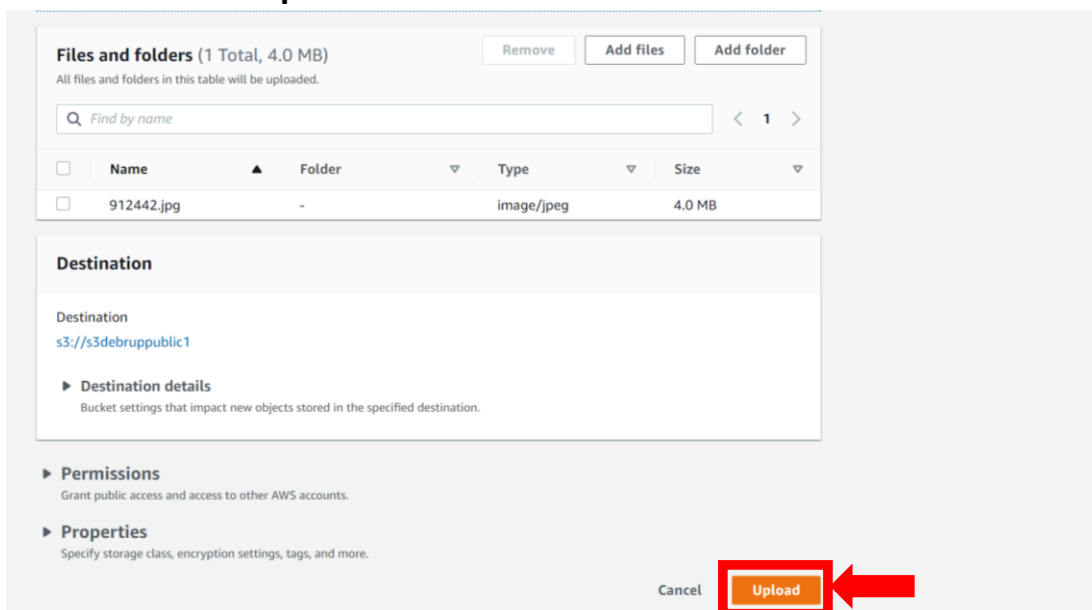
11. You will then be redirected to the **upload status page** where **a status bar will be present showing the progress of your upload**. After completion it will look like the following.
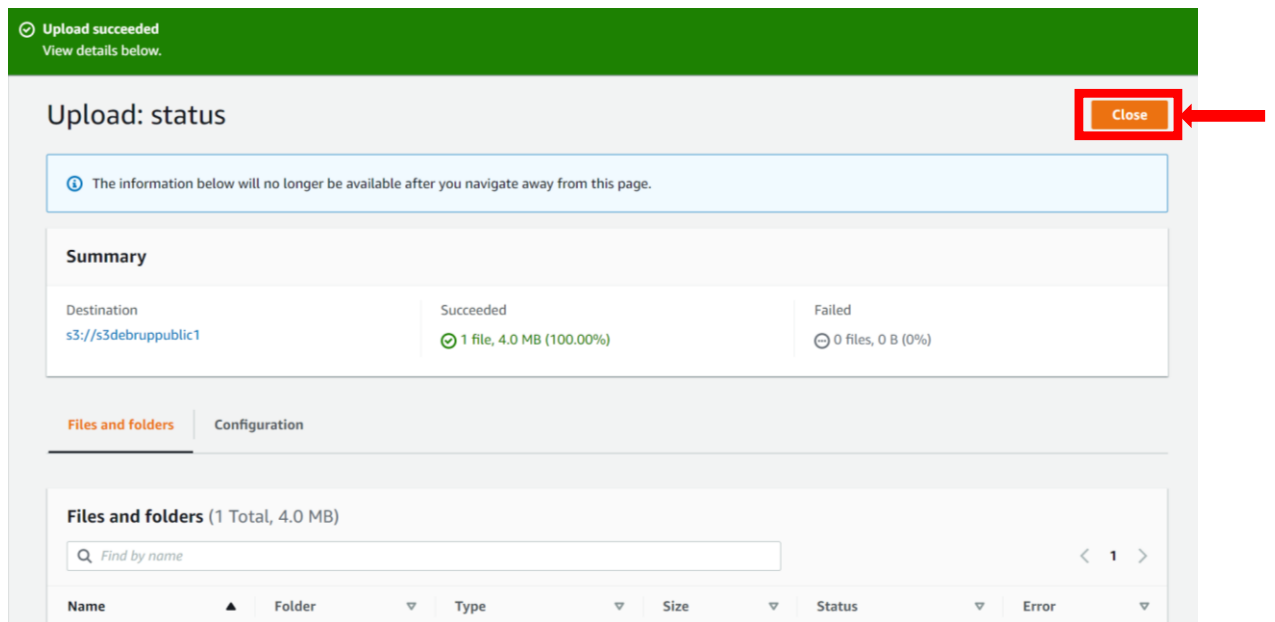
12. **Close** your status page. Now in the bucket page you will see the file you have uploaded in the objects section.
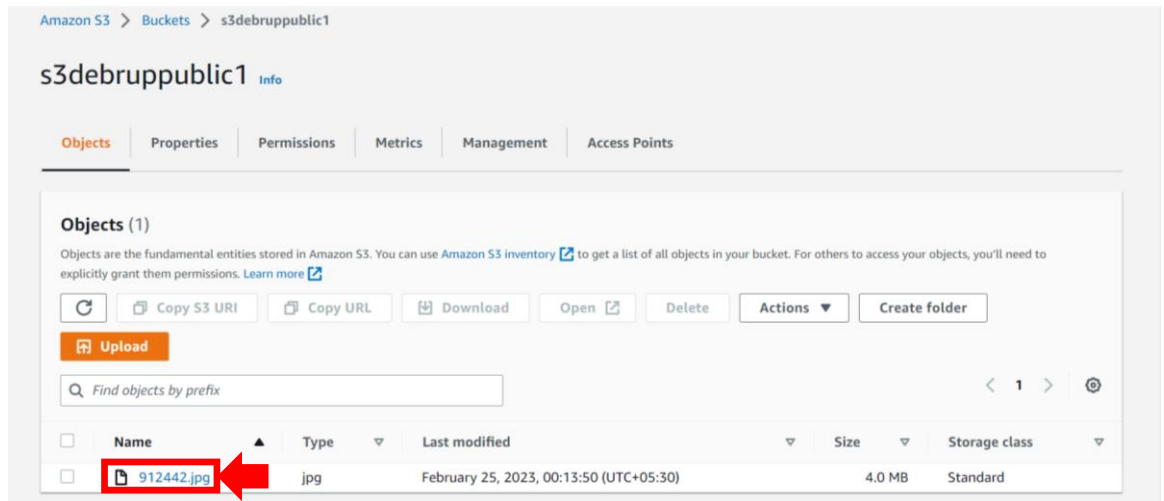
13. Now **click on the file** (**on the name**).

14. **Scroll down** and **copy** the **Object URL**.
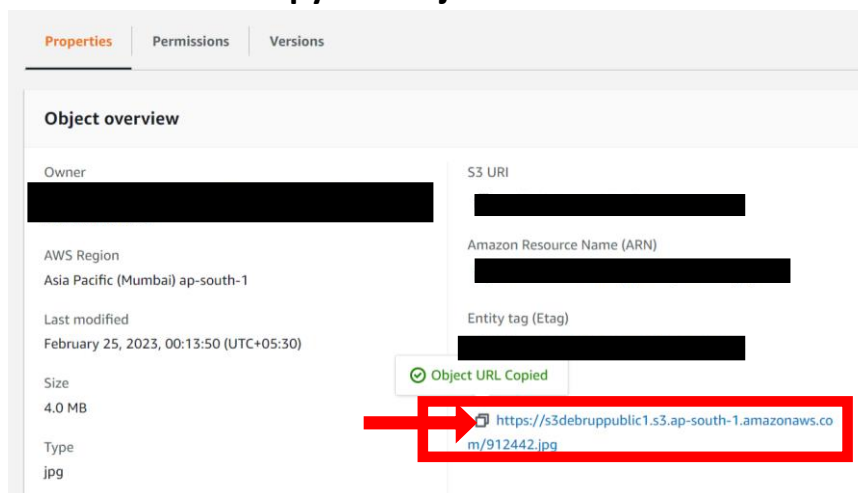
15. **Paste it** in **another browser**.

16. **IT WILL SHOW ERROR**!!!!!

This is because your uploaded file, **though present in a public bucket**, **has to be given specific permission so that others can access it**. Hence, **it**

cannot be accessed by anyone other than you. Now**, to let others access, you can change the permissions associated with your file using the ACL**.
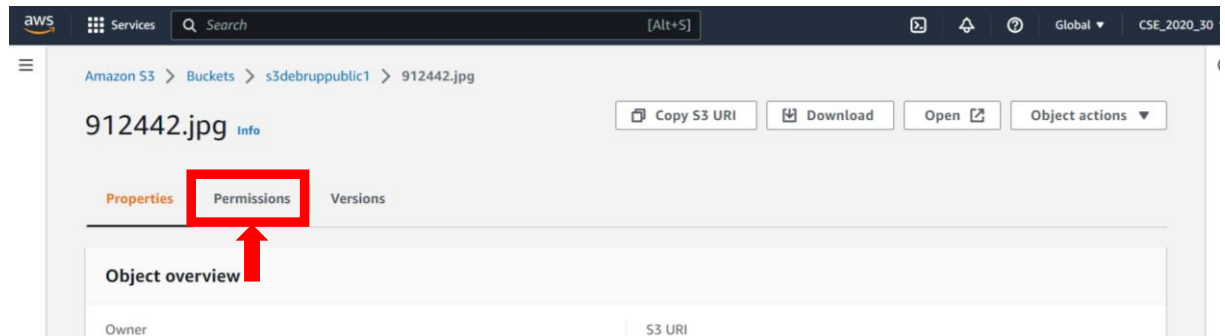
17. **NOW WE WILL GIVE PERMISSIONS……….**

18. **Scroll to the top** and **Click** on the **permissions bar** on the top, below the filename and **beside the properties bar** (in orange font).


19. You will arrive in the **permissions section** of your file. You will clearly see the first section as the **ACL or Access Control List of your file**. Now **click** on the **Edit** button on the right hand side of the ACL section.
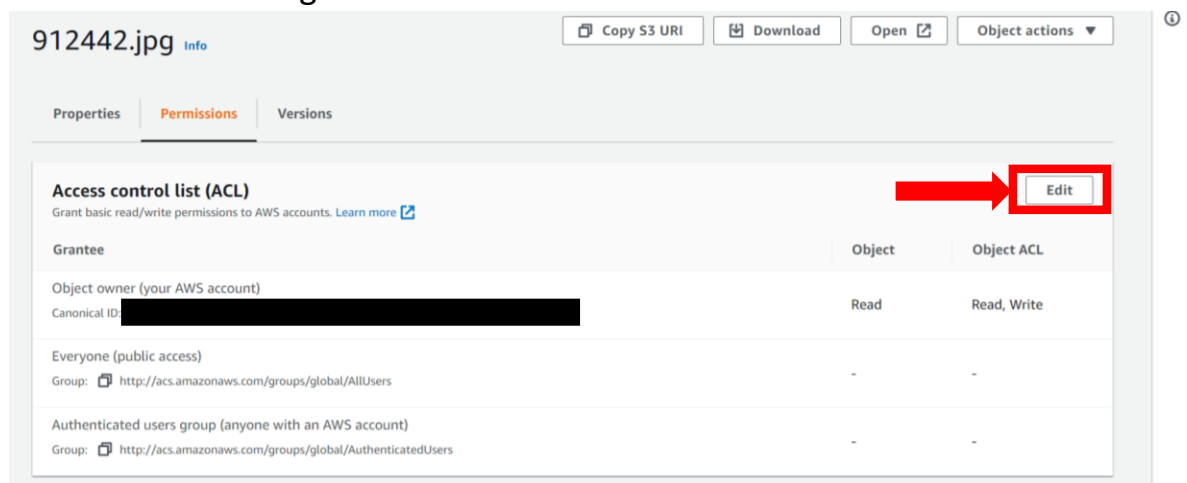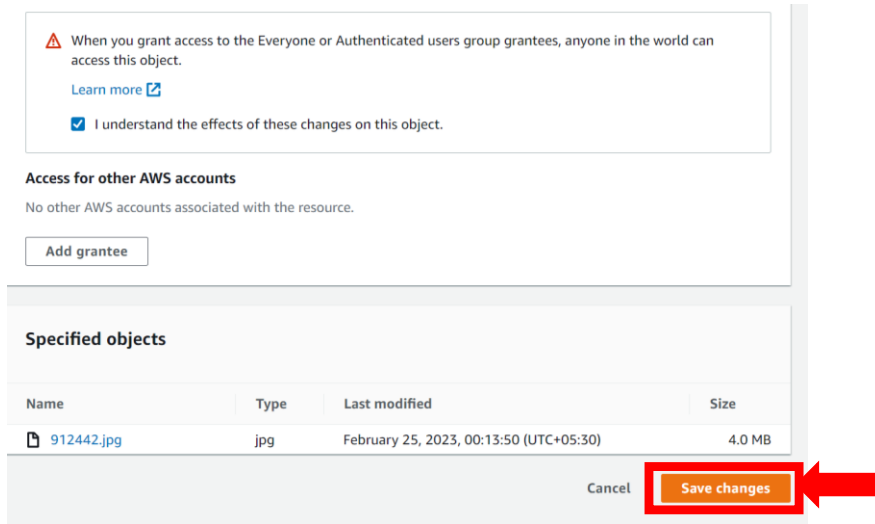

20. Now select **CHECK** both "**Read**"(**Object** & **Object ACL**) option for **Everyone(public access)**
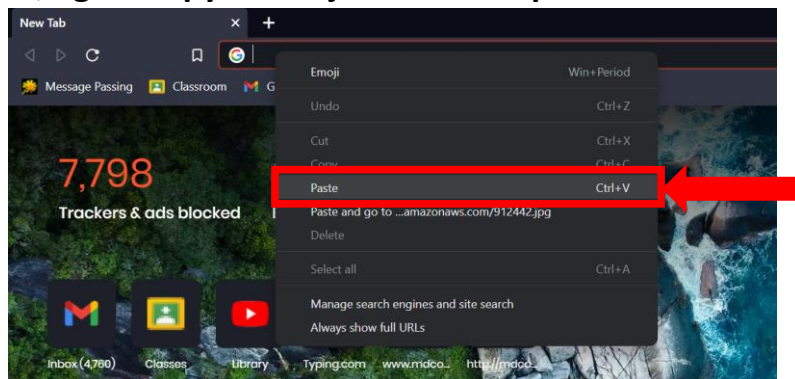
    Also, remember to **check** the **I understand the effects of these changes on this object option**, to further proceed.
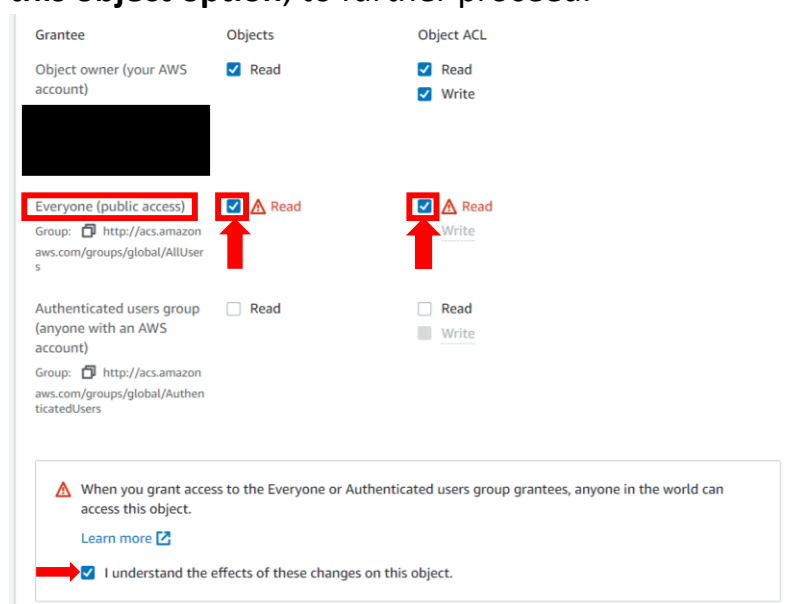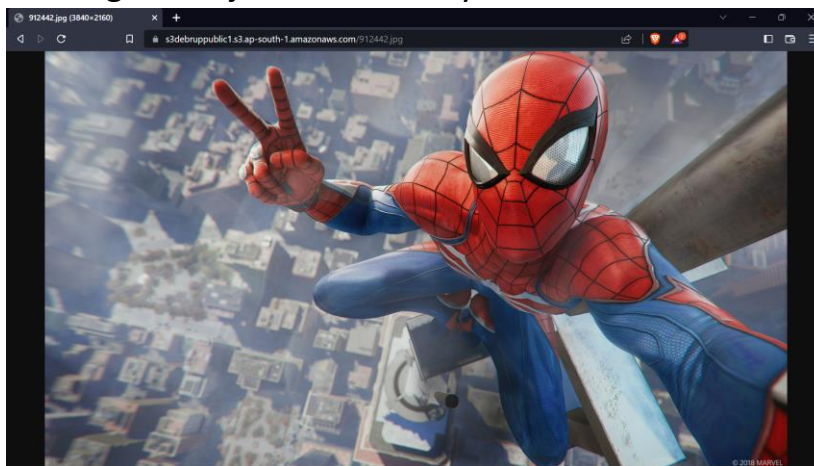

21. Now, **scroll down** and **click** the **save changes** button.

22. Now, **again copy the object URL and paste it in a different browser**.

23. **After pasting the link in the bar, press Enter key**. Now we can access our file using the object URL directly.

So, our file is public and can be accessed by those with the object URL(link) anytime anywhere. The URL is working perfectly as intended.