

NAME: MAYURI SHRIDATTA HERANDE

ROLL NO: 61

CLASS: DISB

ADVANCE DEVOPS

ASSIGNMENT - (1)

## ASSIGNMENT - (1)

⇒ Part 1 : To develop a website and host it on your local machine on a VM.

Part 2 : To host the website developed using AWS.

### THEORY:

XAMPP is a cross-platform web server that is free and open-source. XAMPP is a shorthand form for cross platform, Apache, MySQL, PHP and Perl. It allows programmers to write and test their code on a local machine.

It is a multi-uses-platform, which implies it works on both windows and Linux. With a single command, you may start and stop the entire web server and database stack.

### Components of XAMPP:-

- Cross-platform
- Apache
- MariaDB database
- PHP
- Perl
- phpMyAdmin
- OpenSSL
- XAMPP Control Panel
- Webalizer
- Mercury
- Tomcat
- Filezilla

XAMPP is simply a local host or server that is used to test clients or websites before publishing them to a remote web server. This method might sometimes help you avoid issues on your live websites.

### AWS (Amazon Web Services)

It is a comprehensive, evolving cloud computing platform provided by Amazon that includes a mixture of infrastructure as a service, platform as a service and packaged software as a service offerings. AWS services can offer an organization tools such as compute power, data

AWS services include:-

- Storage databases
- Data management
- Migration
- Networking
- Cloud
- Security
- Artificial Intelligence
- Development tools
- Analytics.



A web hosting service is a type of Internet hosting service that hosts websites for clients. It offers the facilities required for them to create and maintain a site and makes it accessible on world wide web.

Companies providing web hosting services are sometimes called web hosts.

AWS is designed to allow application providers, and vendors to quickly and securely host your applications - whether on existing or new applications. We can use the AWS management console, or well documented web services APIs to access AWS's application hosting platform.

**NAME: Mayuri Shridatta Yerande**

**ROLL NO: 61**

**SUBJECT: ADVANCE DEVOPS**

## Assignment 1

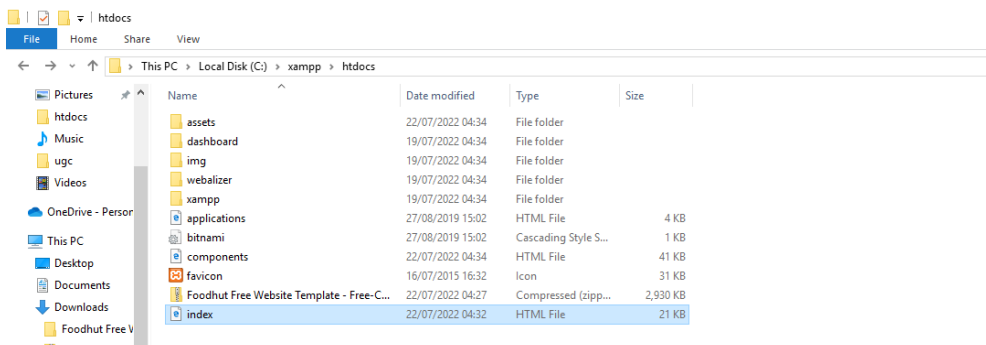
### Part 1 : To develop a website and host it on your local machine on a VM

#### STEPS:

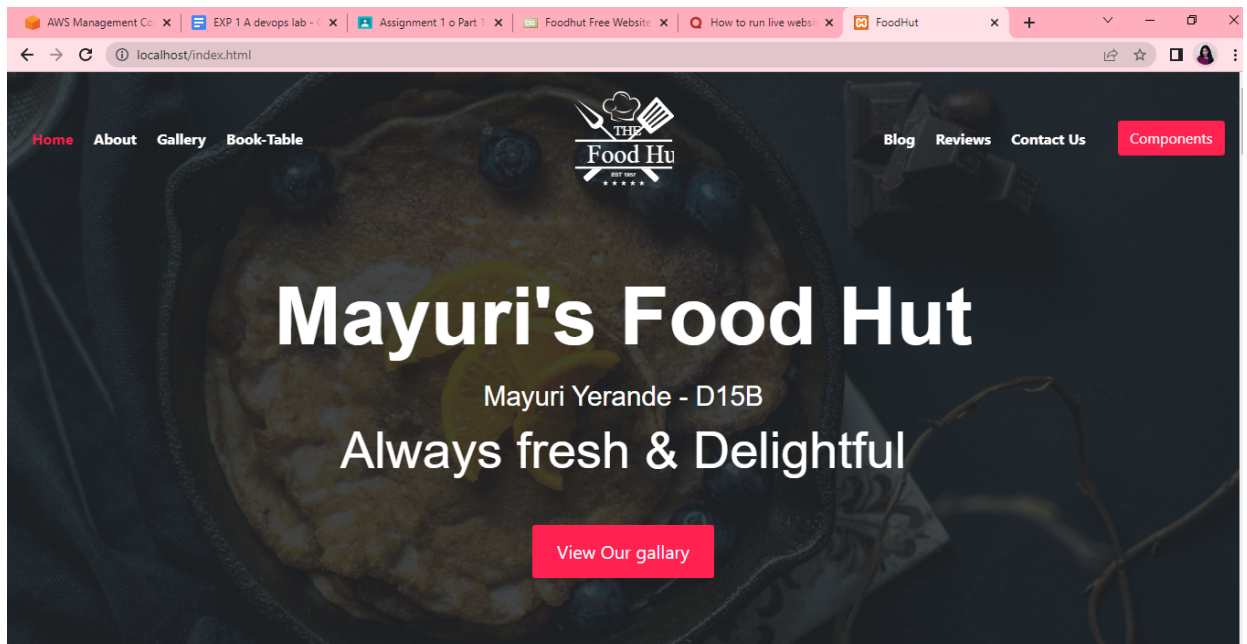
1. Turn on 'Apache' and 'MySQL' on your Xampp.



2. Write your web page in notepad and save it in c:\xampp\htdocs (C or whatever drive it exists in).

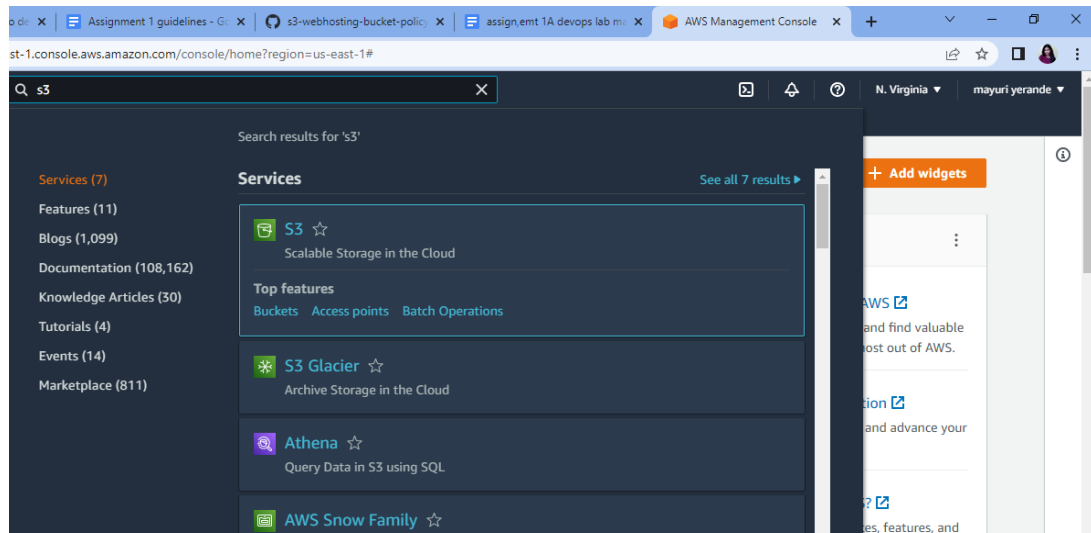


3. My webpage's name is index.html
4. Open your web browser. Type localhost/index.html in your URL box.

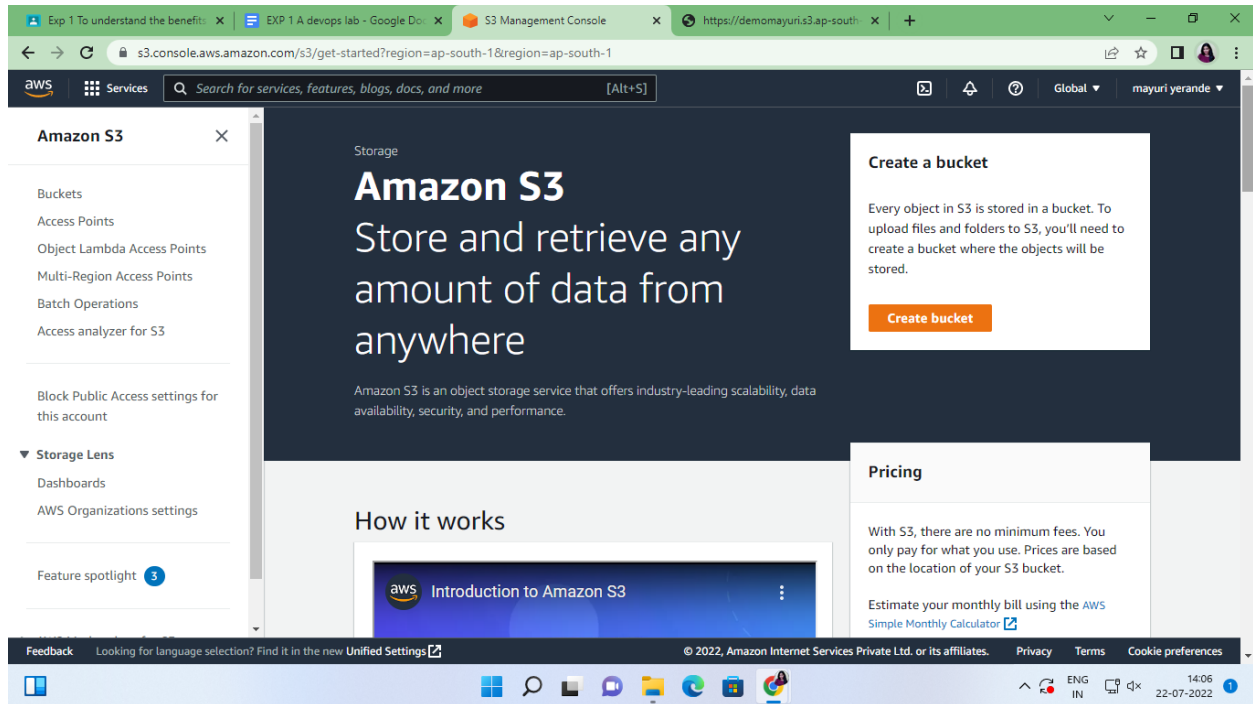


## **Part 2 : To host the website developed as part 1 of Assignment 1 using AWS.**

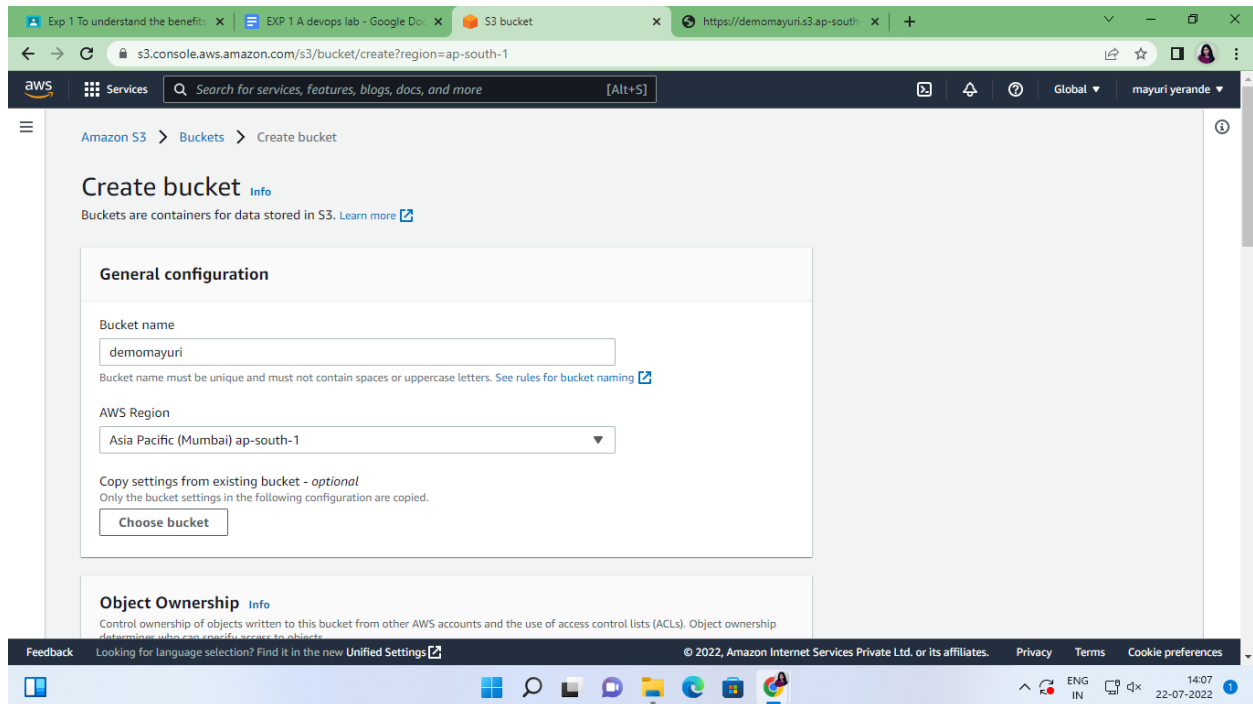
### **1. Search “S3” on your AWS account**



## 2. Click on “Create Bucket” to Create a bucket.



## 3. Name Your bucket.





## 4. Now the Bucket is created.

The screenshot displays the Amazon S3 console interface. The left sidebar shows the navigation menu with options like Buckets, Access Points, and Storage Lens. The main content area is titled 'Amazon S3 > Buckets'. It features an 'Account snapshot' section with a 'View Storage Lens dashboard' button. Below this, the 'Buckets (2)' section shows a list of buckets. The table lists two buckets: 'demomayuri' and 'demomayuri1', both in the 'Asia Pacific (Mumbai) ap-south-1' region with 'Public' access. The 'demomayuri' bucket is selected, indicated by a blue circle. The table also shows the creation date for each bucket as 'July 22, 2022, 13:43:19 (UTC+05:30)' and 'July 22, 2022, 13:50:57 (UTC+05:30)' respectively. At the bottom, there is a footer with 'Feedback', 'Looking for language selection? Find it in the new Unified Settings', and copyright information for Amazon Internet Services Private Ltd. or its affiliates.

Amazon S3

Buckets

Access Points

Object Lambda Access Points

Multi-Region Access Points

Batch Operations

Access analyzer for S3

Block Public Access settings for this account

Storage Lens

Dashboards

AWS Organizations settings

Feature spotlight 3

Account snapshot

View Storage Lens dashboard

Buckets (2) Info

Buckets are containers for data stored in S3. [Learn more](#)

Find buckets by name

Name	AWS Region	Access	Creation date
demomayuri	Asia Pacific (Mumbai) ap-south-1	Public	July 22, 2022, 13:43:19 (UTC+05:30)
demomayuri1	Asia Pacific (Mumbai) ap-south-1	Public	July 22, 2022, 13:50:57 (UTC+05:30)

Feedback

Looking for language selection? Find it in the new [Unified Settings](#)

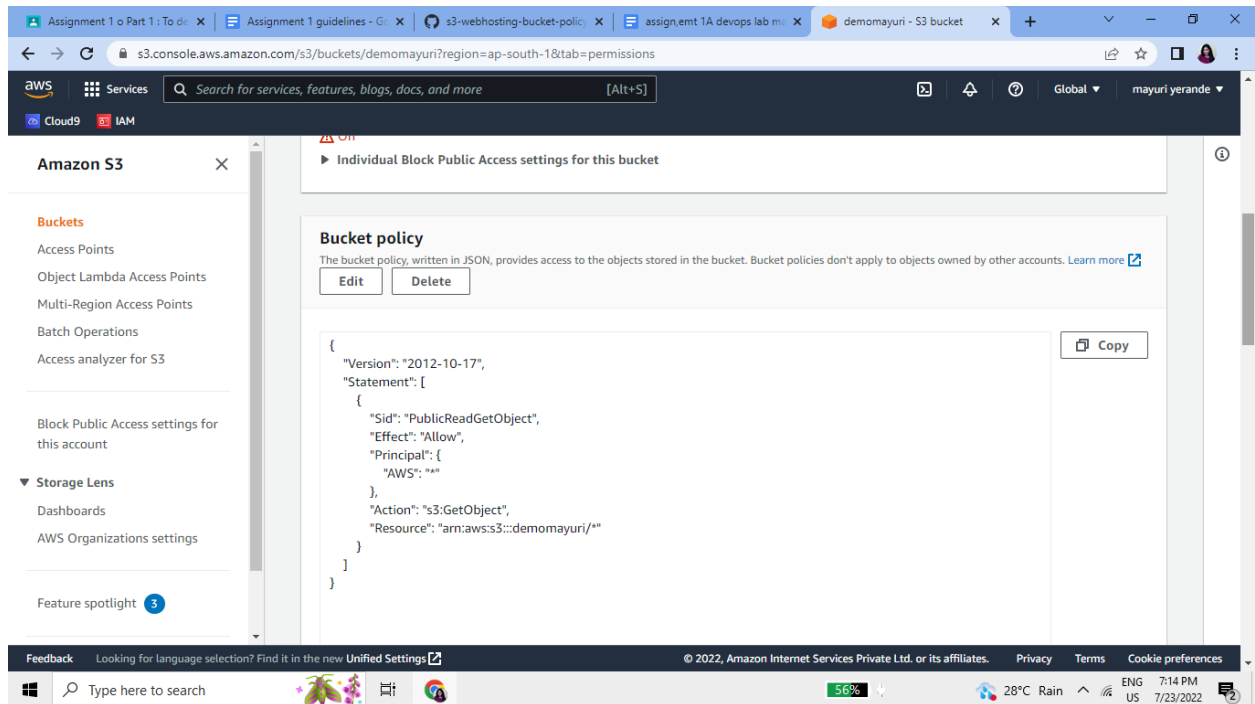
© 2022, Amazon Internet Services Private Ltd. or its affiliates. [Privacy](#) [Terms](#) [Cookie preferences](#)

ENG IN 14:07 22-07-2022

5. To make our website publicly visible. You need to make your s3 bucket public.
6. Go to permissions. Paste this code in “Bucket policy”.

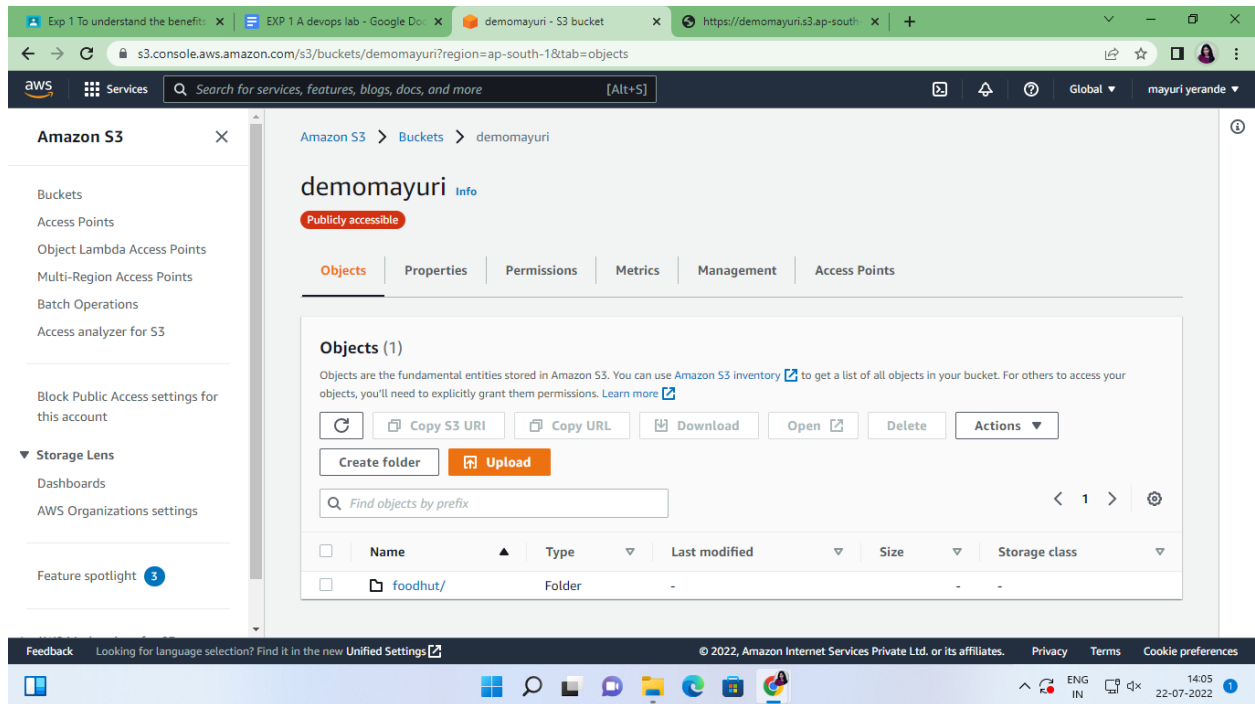
**Code:**

```
{  
  
    "Version": "2012-10-17",  
  
    "Statement": [  
  
        {  
  
            "Sid": "PublicReadGetObject",  
  
            "Effect": "Allow",  
  
            "Principal": {  
  
                "AWS": "*"   
  
            },  
  
            "Action": "s3:GetObject",  
  
            "Resource":  
            "arn:aws:s3:::YOUR-BUCKET-NAME-HERE/*"  
  
        }  
  
    ]  
  
}
```



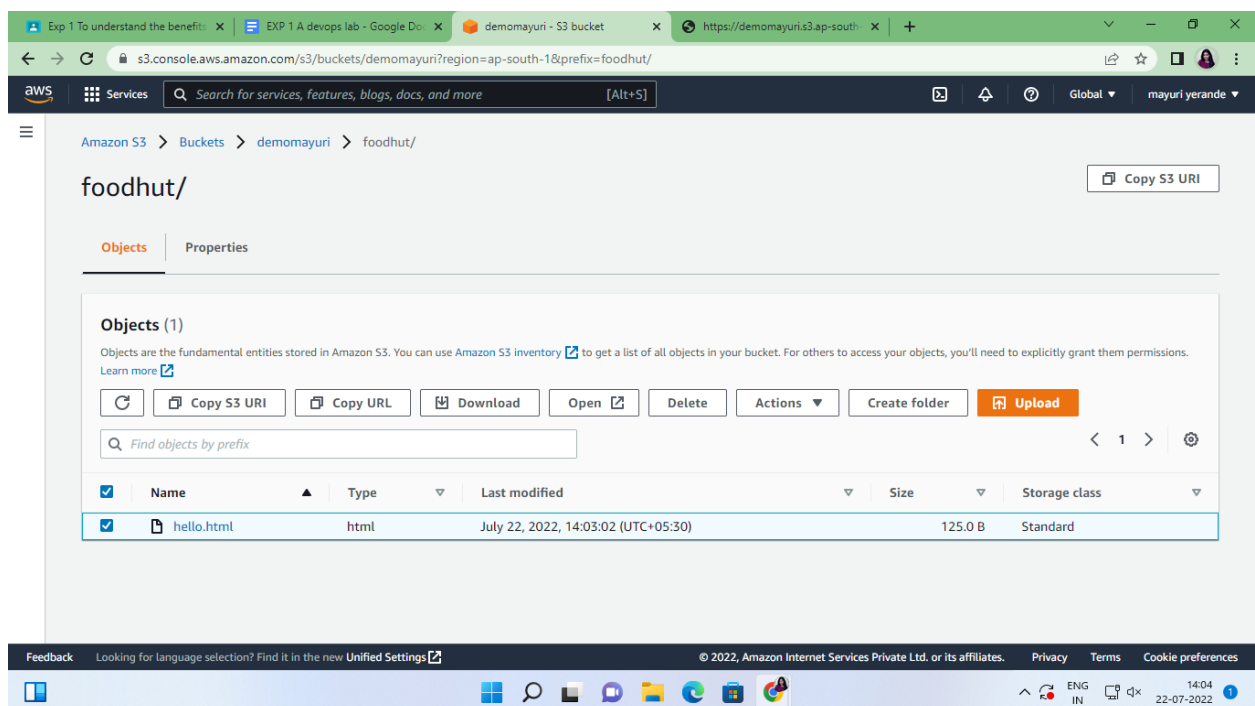
**7. Now your S3 bucket is public.**

**8. Upload your webpage files into the bucket via the “upload” button.**



9. The files are uploaded. (My hello.html file is now uploaded)

10. Select the file and click on “copy URL” Button.



**11.Paste the copied URL into the browser and You can see your page.**

