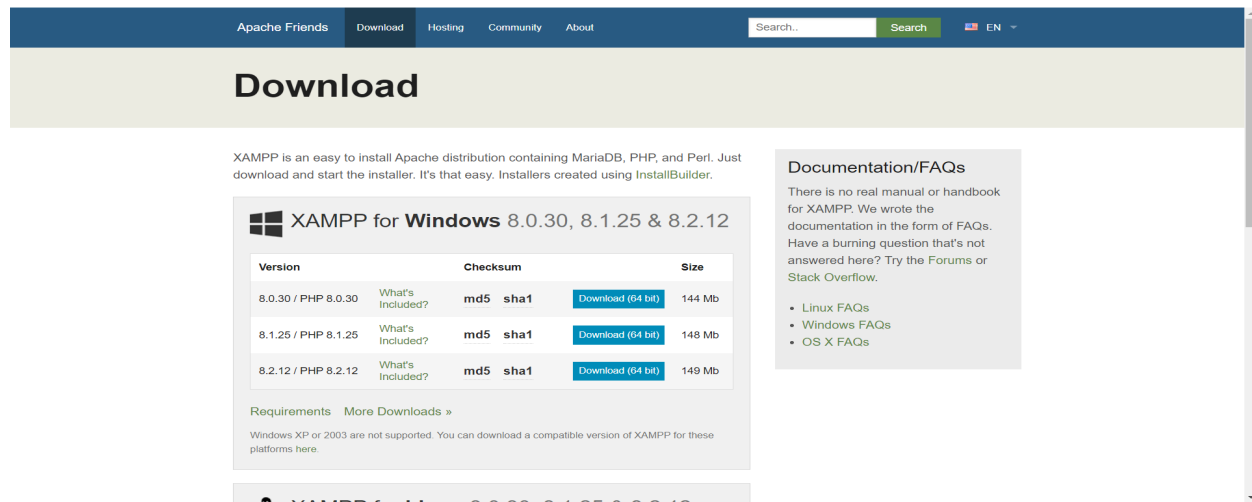


Name-Ishan Kiran Joshi Div-D15C Roll No-21 A.Y.-2024-25

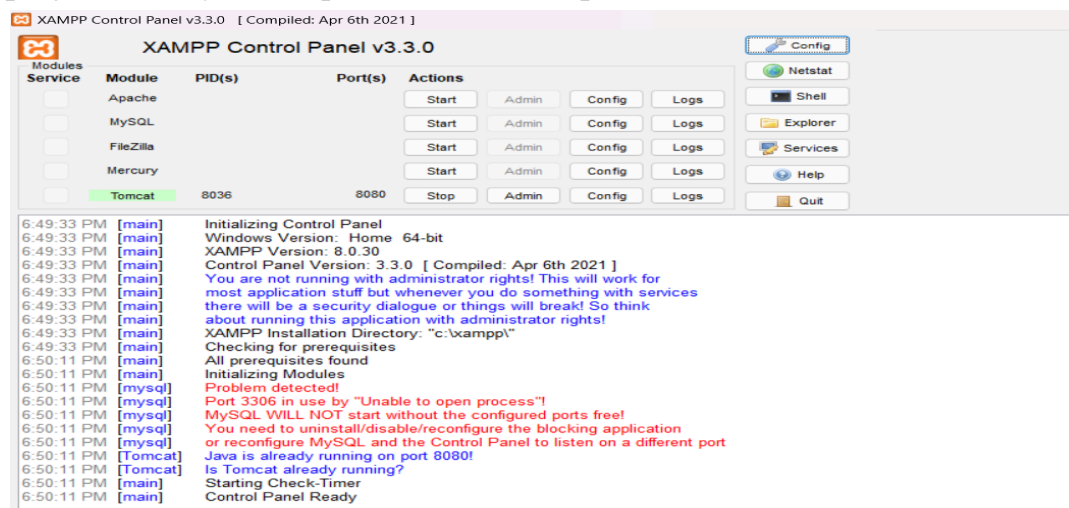
## Advance DevOps Lab 1a

### Xampp:

1-Go to the Official website of Xampp and Download the suitable version



2-Once installation is complete, open the Xampp control panel. To host a php project locally we require to start the apache server.



3-Click on start in front of apache and wait for the server to start.

XAMPP Control Panel v3.3.0 [ Compiled: Apr 6th 2021 ]

**XAMPP Control Panel v3.3.0**

Service	Module	PID(s)	Port(s)	Actions
<input type="checkbox"/>	Apache	19204		<input type="button" value="Stop"/> Admin Config Logs
<input type="checkbox"/>	MySQL			<input type="button" value="Start"/> Admin Config Logs
<input type="checkbox"/>	FileZilla			<input type="button" value="Start"/> Admin Config Logs
<input type="checkbox"/>	Mercury			<input type="button" value="Start"/> Admin Config Logs
<input type="checkbox"/>	Tomcat	8036	8080	<input type="button" value="Stop"/> Admin Config Logs

6:49:33 PM [main] Initializing Control Panel  
6:49:33 PM [main] Windows Version: Home 64-bit  
6:49:33 PM [main] XAMPP Version: 8.0.30  
6:49:33 PM [main] Control Panel Version: 3.3.0 [ Compiled: Apr 6th 2021 ]  
6:49:33 PM [main] You are not running with administrator rights! This will work for most application stuff but whenever you do something with services there will be a security dialogue or things will break! So think about running this application with administrator rights!  
6:49:33 PM [main] XAMPP Installation Directory: "c:\xampp"  
6:49:33 PM [main] Checking for prerequisites  
6:50:11 PM [main] All prerequisites found  
6:50:11 PM [main] Initializing Modules  
6:50:11 PM [mysql] Problem detected!  
6:50:11 PM [mysql] Port 3306 in use by "Unable to open process!"  
6:50:11 PM [mysql] MySQL WILL NOT start without the configured ports free!  
6:50:11 PM [mysql] You need to uninstall/disable/reconfigure the blocking application or reconfigure MySQL and the Control Panel to listen on a different port  
6:50:11 PM [Tomcat] Java is already running on port 8080!  
6:50:11 PM [Tomcat] Is Tomcat already running?  
6:50:11 PM [main] Starting Check-Timer  
6:50:11 PM [main] Control Panel Ready  
6:51:23 PM [Apache] Attempting to start Apache app...  
6:51:23 PM [Apache] Status change detected: running

Config Netstat Shell Explorer Services Help Quit

4-Start the PHP project. In the xampp folder there will be a folder named htdocs, open it

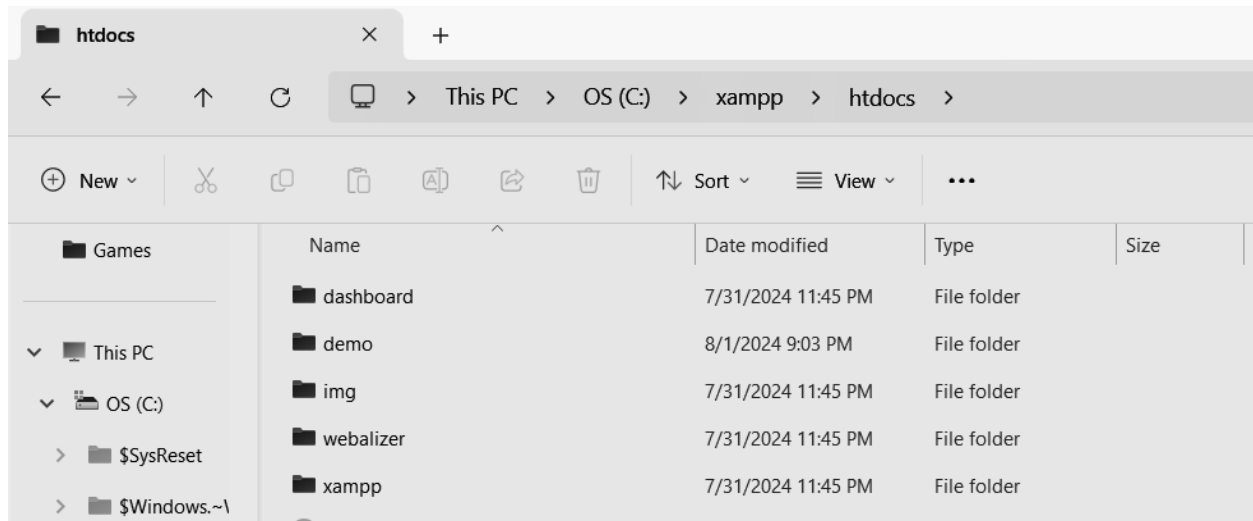
xampp

← → ↑ ↺ > This PC > OS (C:) > xampp >

⊕ New ✂ 📄 📁 📄 🗑 ⬆ Sort ▾ ≡ View ▾ ⋮

Name	Date modified	Type	Size
anonymous	7/31/2024 11:45 PM	File folder	
apache	7/31/2024 11:46 PM	File folder	
cgi-bin	7/31/2024 11:56 PM	File folder	
contrib	7/31/2024 11:45 PM	File folder	
FileZillaFTP	7/31/2024 11:56 PM	File folder	
htdocs	7/31/2024 11:57 PM	File folder	

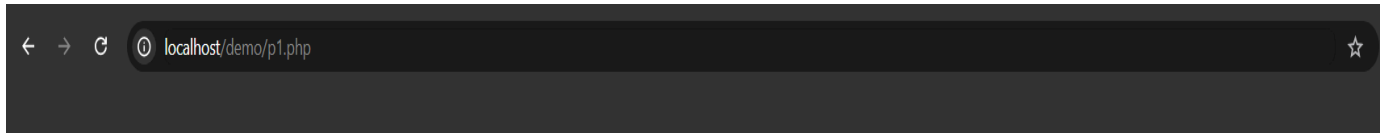
5-We will create a project named demo inside htdocs. This demo folder will contain our php source code.



6-Write the PHP code in notepad and save it in demo

```
<html>
<head>
    <title>First PHP Program </title>
</head>
<body>
<?php
echo "Ishan Joshi D15C 21";
?>
```

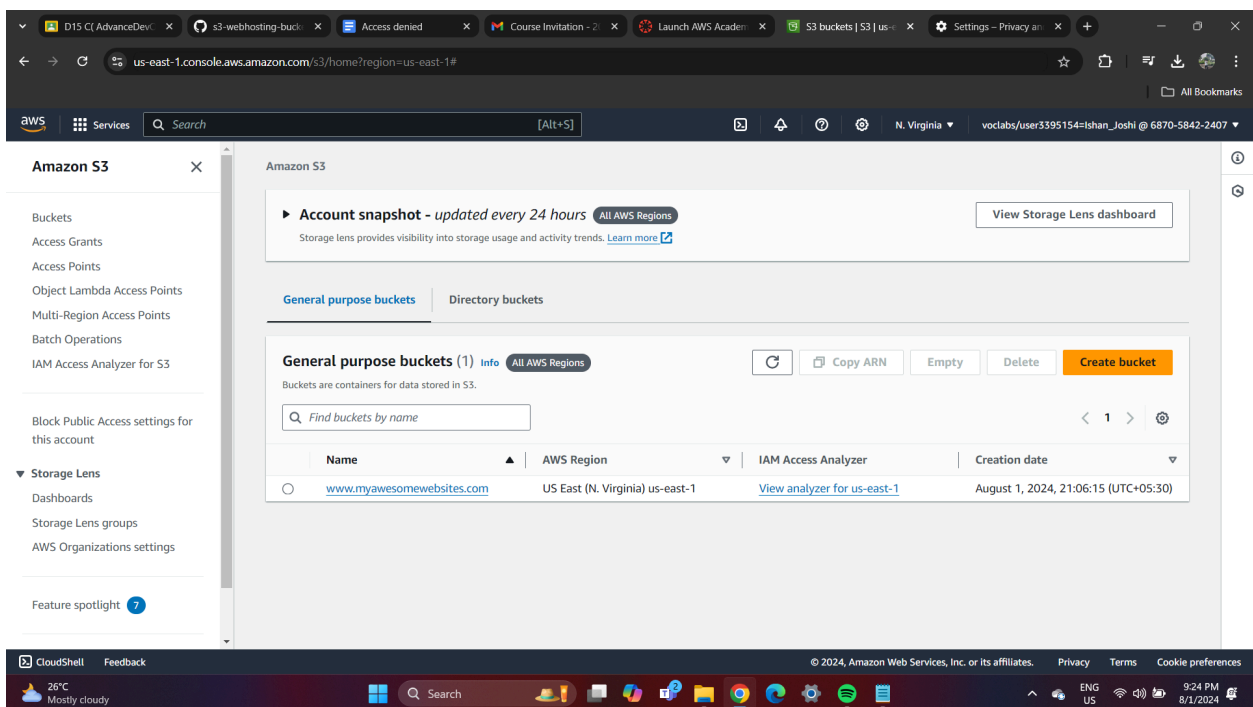
7-Go to your web browser and type “localhost/demo/p1.php” And we can see that our php script has been hosted locally using Xampp.



Ishan Joshi D15C 21

## S3 Bucket

1-Go to S3 in AWS and Click on Create Bucket



## 2-Fill the Required Details

aws

Services

Search

[Alt+S]

Amazon S3 > Buckets > Create bucket

Create bucket [Info](#)

Buckets are containers for data stored in S3.

General configuration

AWS Region

US East (N. Virginia) us-east-1

Bucket type [Info](#)

☒ General purpose  
Recommended for most use cases and access patterns. General purpose buckets are the original S3 bucket type. They allow a mix of storage classes that redundantly store objects across multiple Availability Zones.

☐ Directory - New  
Recommended for low-latency use cases. These buckets use only the S3 Express One Zone storage class, which provides faster processing of data within a single Availability Zone.

Bucket name [Info](#)

Bucket name must be unique within the global namespace and follow the bucket naming rules. [See rules for bucket naming](#)

Copy settings from existing bucket - optional

Only the bucket settings in the following configuration are copied.

Choose bucket

Format: s3://bucket/prefix

aws

Services

Search

[Alt+S]

Object Ownership [Info](#)

Control ownership of objects written to this bucket from other AWS accounts and the use of access control lists (ACLs). Object ownership determines who can specify access to objects.

☒ ACLs disabled (recommended)  
All objects in this bucket are owned by this account. Access to this bucket and its objects is specified using only policies.

☐ ACLs enabled  
Objects in this bucket can be owned by other AWS accounts. Access to this bucket and its objects can be specified using ACLs.

Object Ownership

Bucket owner enforced

Block Public Access settings for this bucket

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to this bucket and its objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to this bucket or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

☒ Block all public access  
Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.

☒ Block public access to buckets and objects granted through new access control lists (ACLs)  
S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.

Services
Search
[Alt+S]

### Default encryption [Info](#)

Server-side encryption is automatically applied to new objects stored in this bucket.

Encryption type [Info](#)

- ☒ Server-side encryption with Amazon S3 managed keys (SSE-S3)
- ☐ Server-side encryption with AWS Key Management Service keys (SSE-KMS)
- ☐ Dual-layer server-side encryption with AWS Key Management Service keys (DSSE-KMS)
  - Secure your objects with two separate layers of encryption. For details on pricing, see [DSSE-KMS pricing](#) on the **Storage** tab of the [Amazon S3 pricing page](#).

Bucket Key

Using an S3 Bucket Key for SSE-KMS reduces encryption costs by lowering calls to AWS KMS. S3 Bucket Keys aren't supported for DSSE-KMS. [Learn more](#)

- ☐ Disable
- ☒ Enable

► Advanced settings

After creating the bucket, you can upload files and folders to the bucket, and configure additional bucket settings.

Cancel
Create bucket

### 3-Upload the Files in the Bucket

D15 C:\AdvanceDev...
s3-webhosting-buc...
Access denied
Course Invitation - 2...
Launch AWS Academ...
www.myawesomewe...
Settings - Privacy an...

us-east-1.console.aws.amazon.com/s3/buckets/www.myawesomewebsites.com?region=us-east-1&bucketType=general&tab=objects

Services
Search
[Alt+S]
N. Virginia
voclabs/user3395154=Ishan\_Joshi @ 6870-5842-2407

#### Amazon S3

- Buckets
- Access Grants
- Access Points
- Object Lambda Access Points
- Multi-Region Access Points
- Batch Operations
- IAM Access Analyzer for S3
- Block Public Access settings for this account
- Storage Lens
  - Dashboards
  - Storage Lens groups
  - AWS Organizations settings
- Feature spotlight 7

#### www.myawesomewebsites.com [Info](#)

[Objects](#) | [Properties](#) | [Permissions](#) | [Metrics](#) | [Management](#) | [Access Points](#)

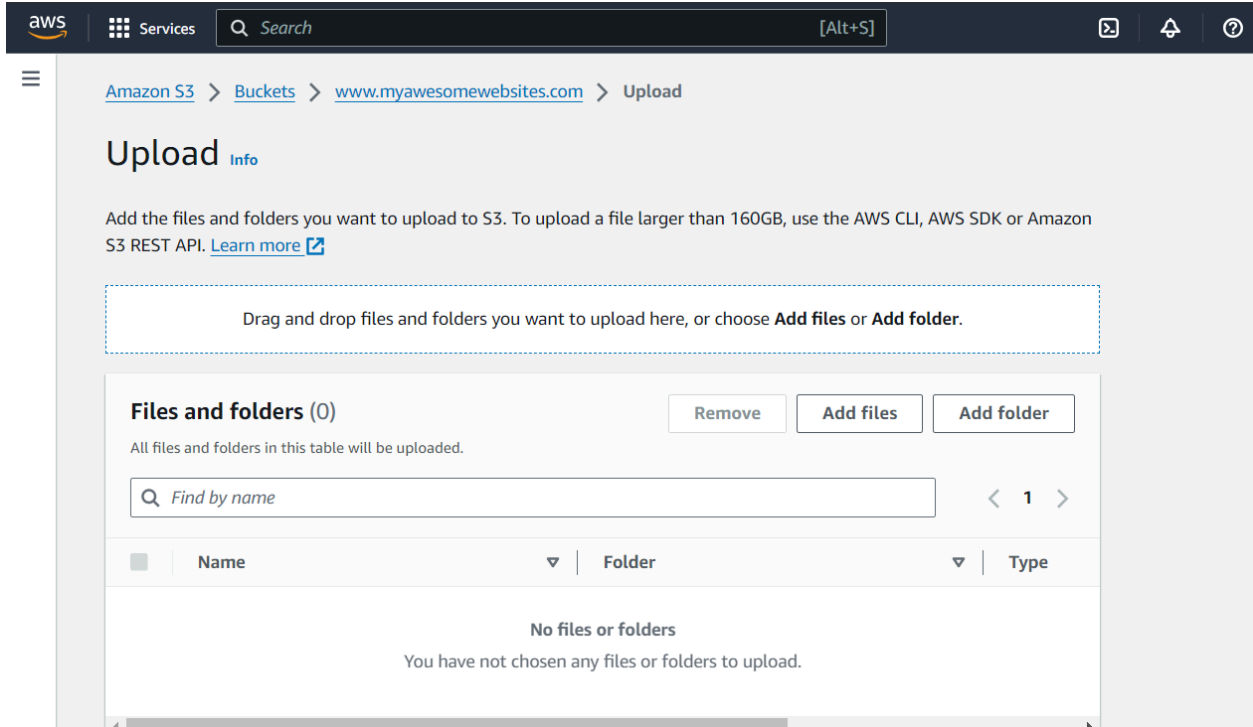
#### Objects (2) [Info](#)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

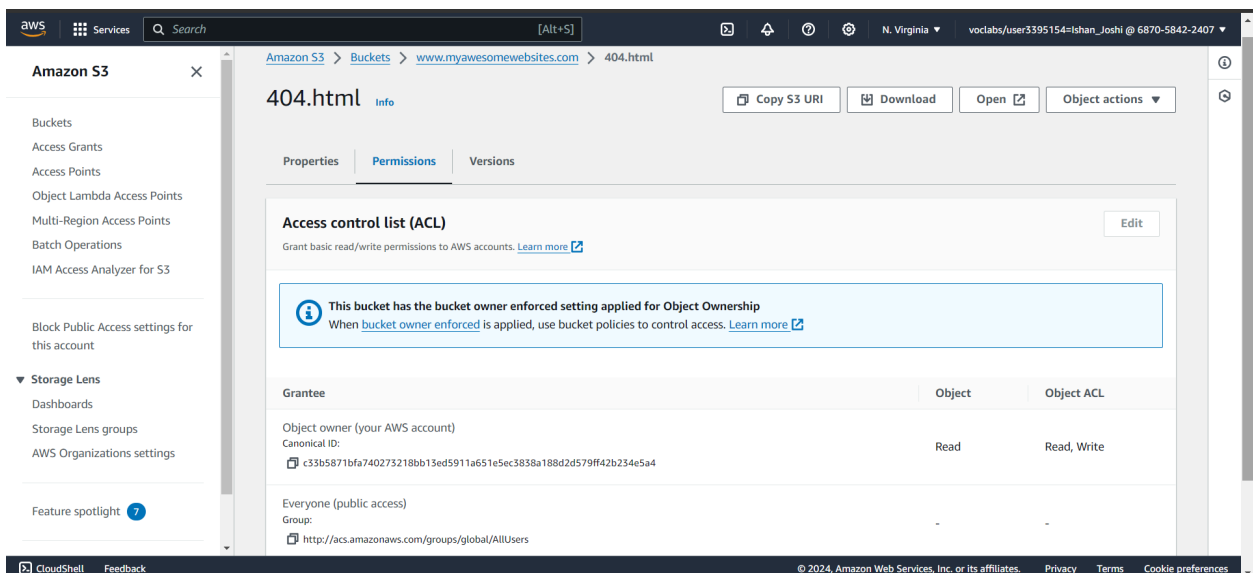
Find objects by prefix

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	<a href="#">404.html</a>	html	August 1, 2024, 21:07:50 (UTC+05:30)	46.0 B	Standard
<input type="checkbox"/>	<a href="#">p1.php</a>	php	August 1, 2024, 21:07:51 (UTC+05:30)	111.0 B	Standard

CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
26°C Mostly cloudy
9:24 PM 8/1/2024



## 4-Give the Required Permissions



## 5-Change the Bucket Policy

The screenshot shows the Amazon S3 console interface. On the left, the 'Amazon S3' sidebar is visible with various navigation options. The main content area displays the 'Bucket policy' editor for the bucket 'www.myawesomewebsites.com'. The policy is written in JSON and allows public read access to the objects in the bucket. The policy text is as follows:

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Sid": "PublicReadGetObject",
      "Effect": "Allow",
      "Principal": {
        "AWS": "*"
      },
      "Action": "s3:GetObject",
      "Resource": "arn:aws:s3:::www.myawesomewebsites.com/*"
    }
  ]
}
```

Buttons for 'Edit', 'Delete', and 'Copy' are visible in the top right corner of the policy editor.

## 6-Copy The URL and Open the Website

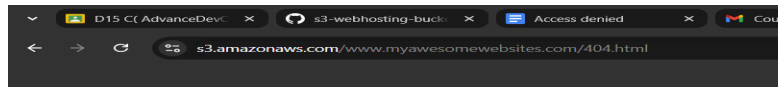
The screenshot shows the Amazon S3 console interface. The browser address bar displays the URL: `us-east-1.console.aws.amazon.com/s3/object/www.myawesomewebsites.com?region=us-east-1&bucketType=general&prefix=404.html`. The main content area displays the details for the object '404.html'. The 'Object overview' section shows the following information:

Property	Value
Owner	awslabs0w4278179t1657681643
AWS Region	US East (N. Virginia) us-east-1
Last modified	August 1, 2024, 21:07:50 (UTC+05:30)
Size	46.0 B
Type	html
S3 URI	s3://www.myawesomewebsites.com/404.html
Amazon Resource Name (ARN)	arn:aws:s3:::www.myawesomewebsites.com/404.html
Entity tag (Etag)	d7cafb67cf7f75a962a23f7fe9d23f0
Object URL	https://s3.amazonaws.com/www.myawesomewebsites.com/404.html

Buttons for 'Copy S3 URI', 'Download', 'Open', and 'Object actions' are visible in the top right corner of the object details section.



## 7-Open the Website



Ishan Kiran Joshi D15C 21