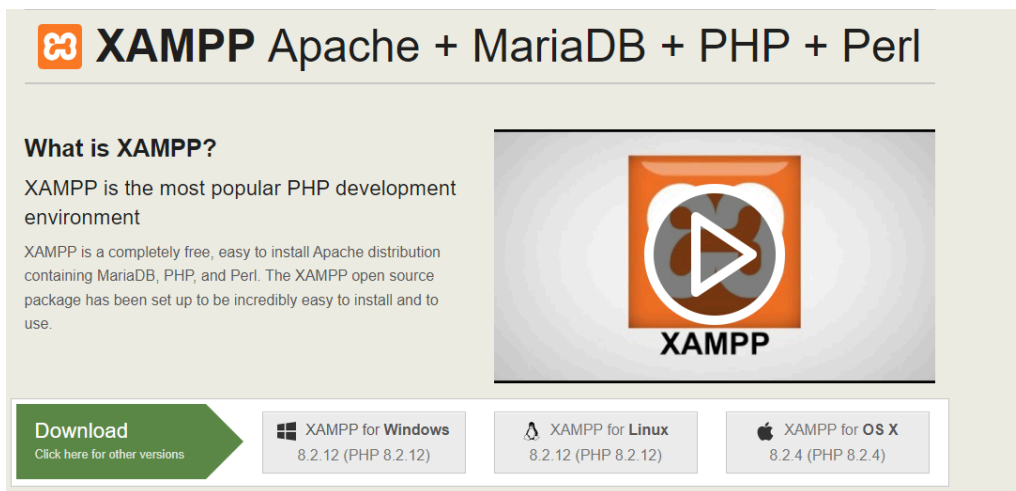


**NAME: HIMANSHU NAIK**  
**DIV:D15C**  
**ROLL NO :63**

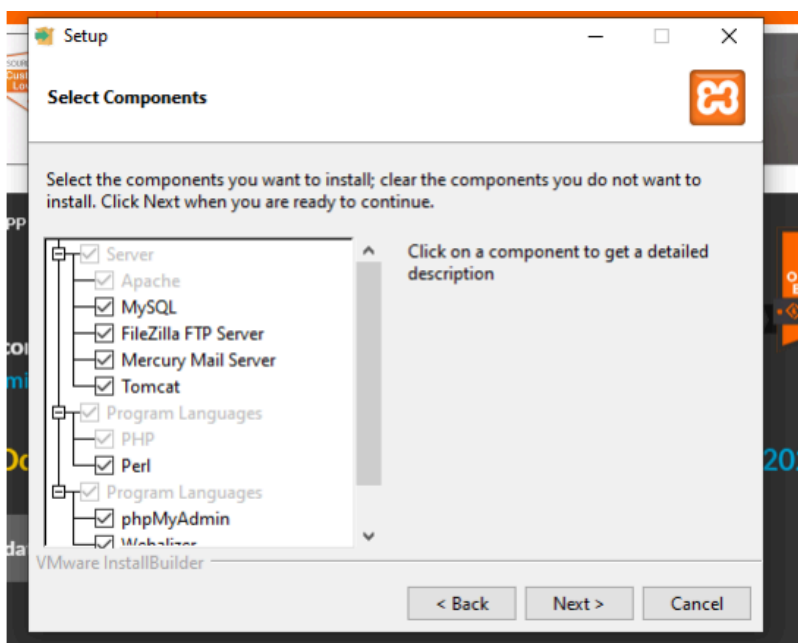
### **Exp 1A :Static Hosting:**

#### **1) On local server (XAMPP) Step 1: Install XAMPP**

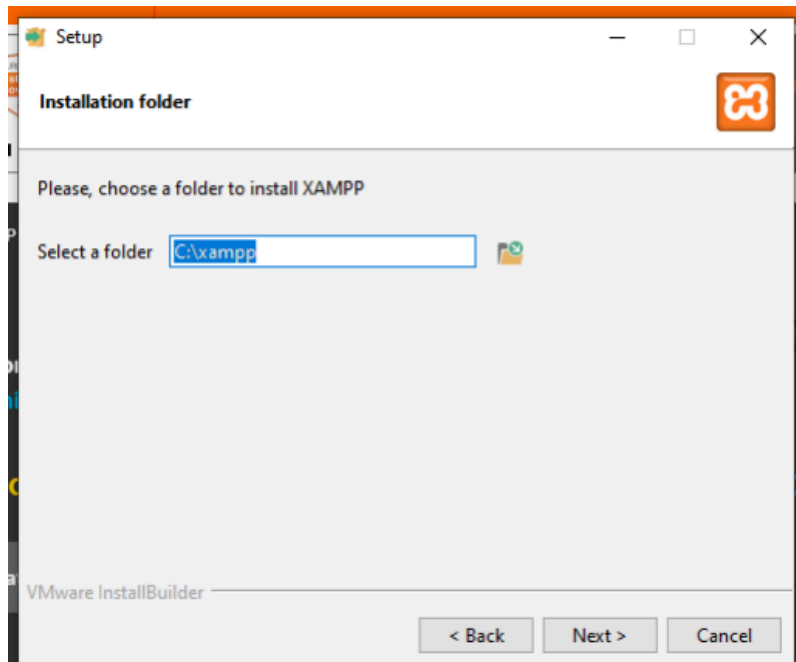
1) Select your OS. It will automatically start downloading.



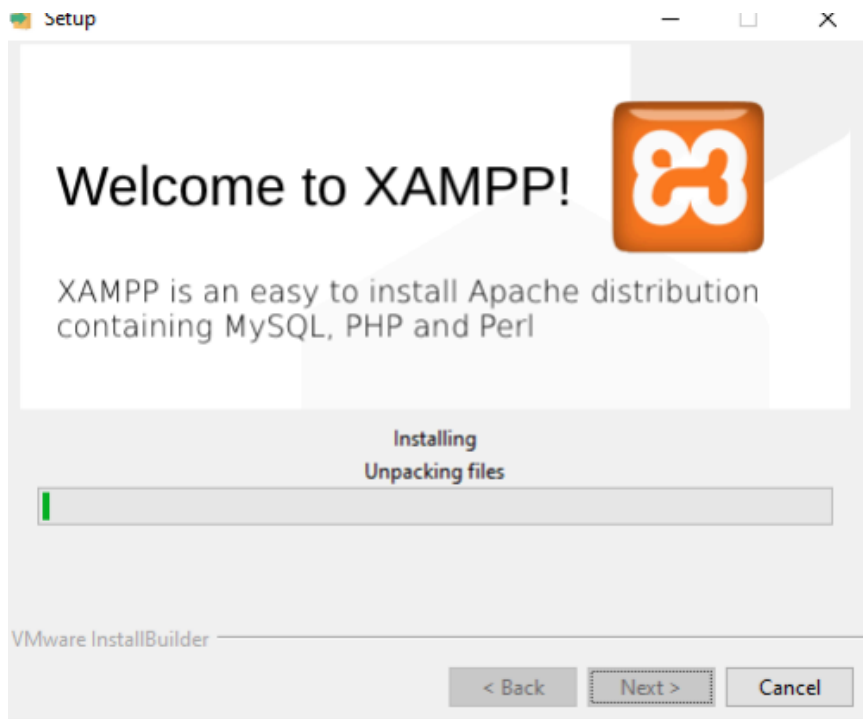
2) Open the setup file. Select all the required components and click next



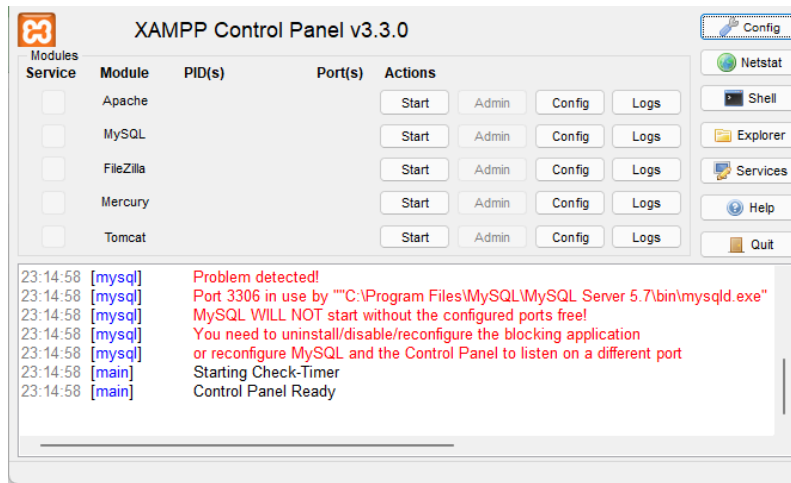
3) Choose the folder to install XAMPP in. Make sure the folder is empty. Click next



4) Select the language, click next. XAMPP starts to install





Open XAMPP Control Panel, start the Apache service (Required) and mySQL service



Go in the browser and type localhost and hit enter you will get to see the file you created like in this case index1.php

## Index of /php-practice

<a href="#">Name</a>	<a href="#">Last modified</a>	<a href="#">Size</a>	<a href="#">Description</a>
 <a href="#">Parent Directory</a>		-	
 <a href="#">index1.php</a>	2024-09-20 00:14	0	

*Apache/2.4.58 (Win64) OpenSSL/3.1.3 PHP/8.2.12 Server at localhost Port 80*

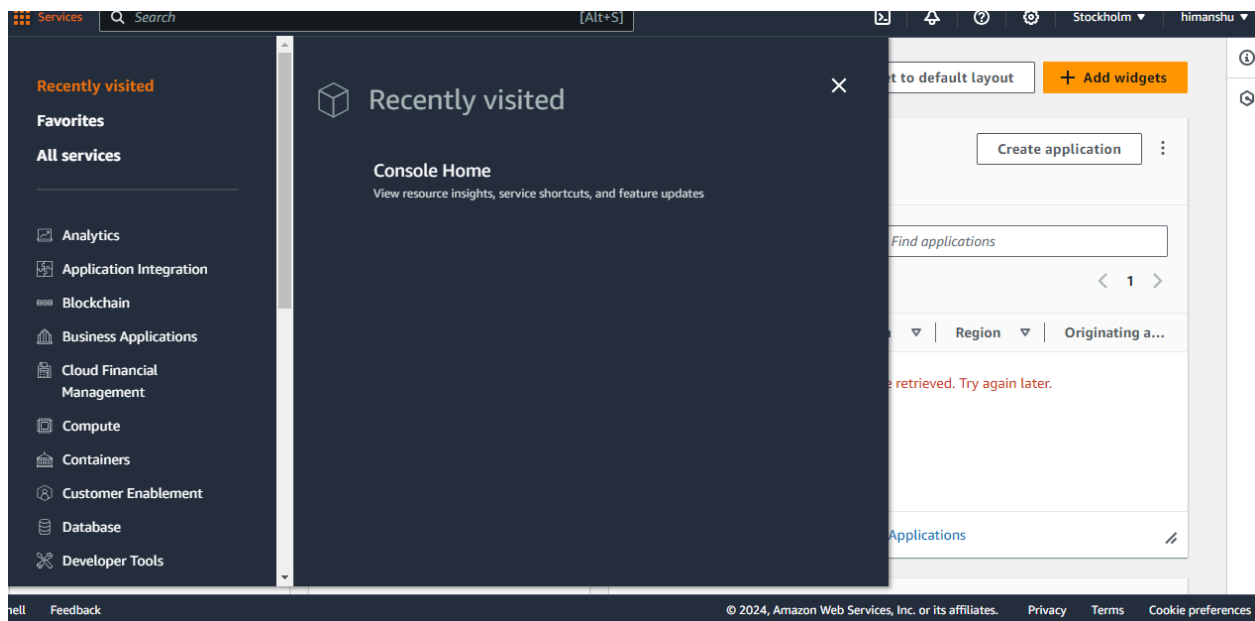
Open your web browser. Type localhost/YOUR\_FILENAME.php. This will open your website on your browser

II , Himanshu naik from d15c

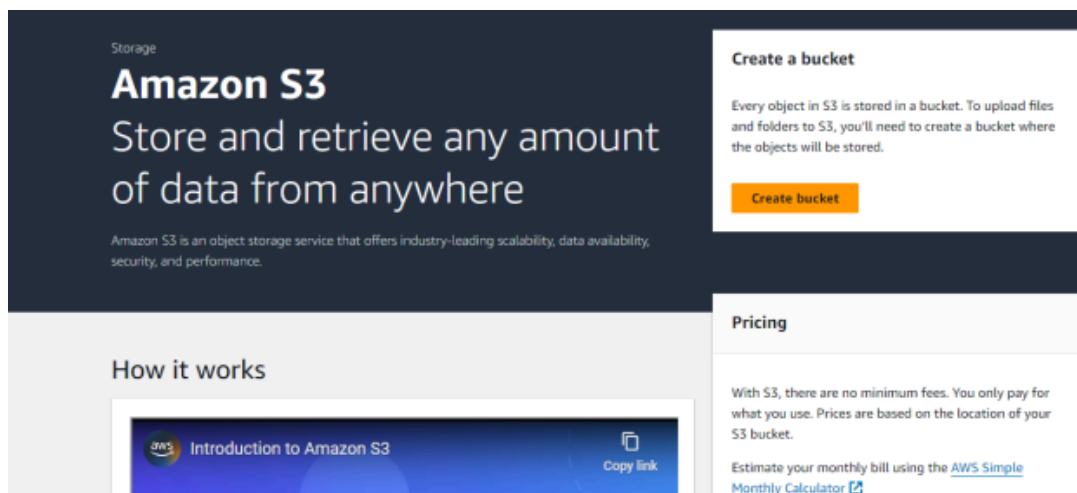
## Hosting a static website on Amazon S3

After creating the bucket on AWS add the file in it that is to be hosted and configure the visibility as public and add /\* at the end of the resource key.

### 2) AWS S3 Step 1: Login to your AWS account. Go to services and open S3



### Step 2: Click on Create Bucket



**Step 3: Give a name to your bucket, keeping other options default, scroll down and click on 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.

**Step4: Scroll down till you find Static website hosting, click on edit**

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

**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

**Step 5: Enable static website hosting, in Index document, write the name of your document and in error document, give name as 404.html. Save your changes**

The screenshot shows the 'Edit static website hosting' page in the Amazon S3 console. The breadcrumb trail at the top is 'Amazon S3 > Buckets > ishansbucket > Edit static website hosting'. The main heading is 'Edit static website hosting' with an 'info' link. Below this is a section titled 'Static website hosting' with the instruction 'Use this bucket to host a website or redirect requests.' and a 'Learn more' link. There are two radio button options: 'Disable' and 'Enable', with 'Enable' being selected. Below this is the 'Hosting type' section with two radio button options: 'Host a static website' (selected) and 'Redirect requests for an object'. The 'Host a static website' option has a sub-instruction: 'Use the bucket endpoint as the web address.' and a 'Learn more' link. The 'Redirect requests for an object' option has a sub-instruction: 'Redirect requests to another bucket or domain.' and a 'Learn more' link. A light blue information box contains a note: 'For your customers to access content at the website endpoint, you must make all your content publicly readable. To do so, you can edit the S3 Block Public Access settings for the bucket. For more information, see Using Amazon S3 Block Public Access.' Below this is the 'Index document' section with the instruction 'Specify the home or default page of the website.' and a text input field containing 'index.html'.

**Step 6: Go to Objects tab and click on upload file**

The screenshot shows the 'Objects' tab in the Amazon S3 console. At the top, there is a dashed blue box with the text 'Drag and drop files and folders you want to upload here, or choose Add files or Add folder.' Below this is a section titled 'Files and folders (1 Total, 44.2 KB)' with the instruction 'All files and folders in this table will be uploaded.' To the right of this section are three buttons: 'Remove', 'Add files' (which is highlighted with a blue border), and 'Add folder'. Below the buttons is a search bar with the placeholder text 'Find by name' and a magnifying glass icon. To the right of the search bar are navigation controls: '< 1 >'. At the bottom, there is a table header with columns: 'Name', 'Folder', and 'Type'. The 'Name' column has a checkbox icon to its left, and the 'Folder' and 'Type' columns have dropdown arrow icons to their left.

**Step 7: This will take you to the Objects screen. Switch to Properties, scroll down to Static web hosting. There you would find the link (Bucket website endpoint) to your website.**



**Step 8: Open the link. It will show a 403 forbidden error screen as the contents of the bucket are not available for the public users. To change this, go to Permissions tab, go to Block public access and click on edit**

## 403 Forbidden

- Code: AccessDenied
- Message: Access Denied
- RequestId: DM25X6E297MM1SXZ
- HostId: 4fGfAMLunY2ZQ8i9NcuIEDV8CDLsvqSbUj5+gtTqRIGOB5x2rj3/2w4/0mp3CvqJ+IXAPOvq+/4=

**Step 9: Uncheck the Block all public access checkbox and click on save**



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

**Paste this code snippet in the policy textarea.**

**Replace YOUR-BUCKET-NAME-HERE with the name you have given to your bucket.**

**Save the changes.**

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