Web Design

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Linking Documents

A **link** is specified using HTML tag <a>. This tag is called the "anchor" tag, and anything between the opening <a> tag and the closing tag becomes part of the link and a user can click that part to reach the linked document. When you used this tag You can click on a link and jump to another document.

➢ **HTML Links - Syntax**

The HTML <a> tag defines a hyperlink. It has the following syntax:

**< a href = " url " target= value > link text **

The most important attribute of the **<a>** element is the **href** attribute, which indicates the link's address. The link text is the part that will be visible to the reader. When reader clicking on the link text will send the reader to the specified URL address.

✓ **The target Attribute**

By default, the linked page will be displayed in the current browser window. To change this, you must specify another target for the link.

The target attribute can have one of the following values:

Value	Description
_self	Opens the linked document in the same frame
_blank	Opens the linked document in a new window or tab.

Example
<html>   Click any Search Engine   Google | </html>
<html>   Click any Search Engine   Ask | </html>
<html> File || </html>

(Q)> Create Web Page HTML, Web Page title "Search Engine", using <a> tag "hyperlinks", like in below?

Click any Search Engine

Google | Ask |

(Q) Create Web Page HTML, Web Page title "Mobile Site" and create table Below inside your web page, the table title " This is Table for Types Mobile:"?

This is Table for Types Mobile:

Mobile	Color
☐ Apple ☐ Samsung ☐ Nokia	Nothing ▼ Nothing Red Blue Green

(Q) Create Web Page HTML, Web Page title "Mobile and search Site" and create table Below inside your web page, the table title " This is Table for Types Mobile and search engine:", and use <a> tag for link Google, Ask and File, see figure below?

This is Table for Types Mobile and Search:

Mobile and Search Engin	Color and Links
Google | Ask | File ||	Nothing ⌄ Nothing Google Ask File
Apple ☐ Samsung ☐ Nokia	

```
<html>
<h> This is Table for Types Mobile and Search: </h>
<table border="1">
<tr>
<th>Mobile and Search Engin</th> <th>Color and Links</th>
</tr> <tr> <td>
<a href = "http://www.google.com" target = "_self"> Google </a> |
<a href = "http://www.Ask.com" target = "_blank"> Ask </a> |
<a href = "c:file.html" target = "_self"> File </a> ||
</td> <td>
<select name="Mobile">
<option value ="none">Nothing</option>
<option value ="Red">Google </option>
<option value ="Blue">Ask</option>
<option value ="Green">File</option>
</select>
</td> </tr> <tr>
<td style="background-color:pink;">
<input type="checkbox" name="Mobile" value="Apple" > Apple
<input type="checkbox" name="Mobile" value="Samsung"> Samsung
<input type="checkbox" name="Mobile" value="Nokia"> Nokia
</td> <td>
<select name="Mobile">
<option value ="none">Nothing</option>
<option value ="Red">Red</option>
<option value ="Blue">Blue</option>
<option value ="Green">Green</option>
</select>
</td> </tr> </table> </html>
```
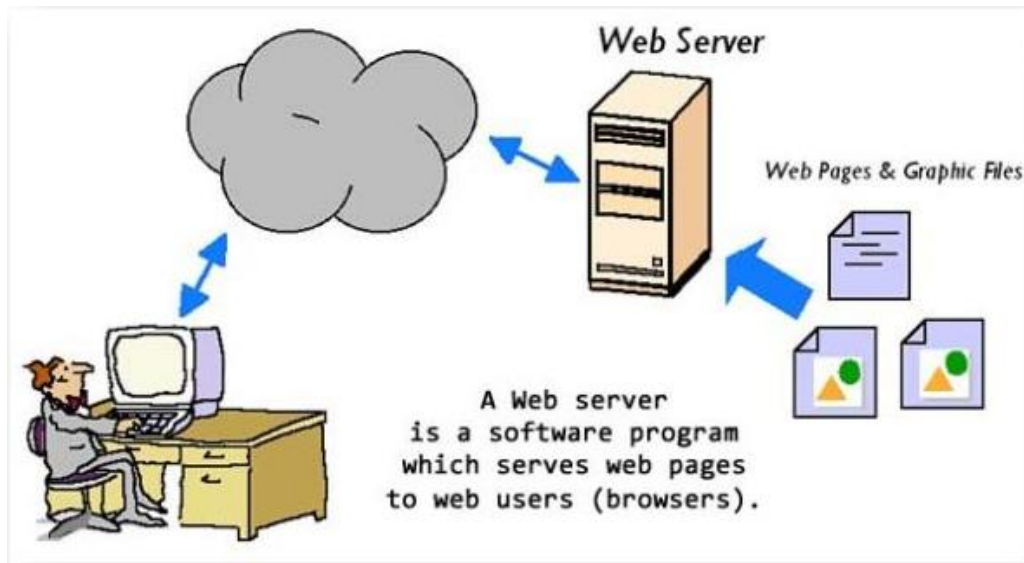
Web Server, Web Hosting and Web Publishing

➢ **A web server** is a remote computer or a computer program that delivers Web pages to a user's computer, or a client, in request from a web browser through the Internet. Conceptually, collections of web pages, and web sites and others that can access the web server by the web browser.

✓ **Advantage of Web Server**

1. Helps you check the download speed of your web page.

2. Helps you see bad URI construction, and broken links.

3. Helps you understand more clearly the activity between your website and the server.

➢ **The web hosting** provider allocates space on a web server for a website to store its files. **Web hosting** makes the files that include a website (code, images, etc.) available for viewing online. Every website you've visited is hosted on a server. The amount of space allocated on a server to a website depends on the type of hosting.
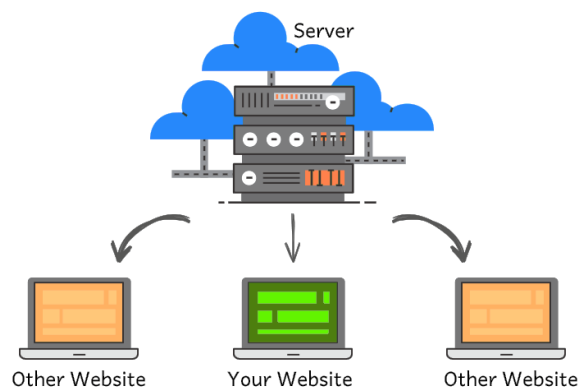

Web Hosting

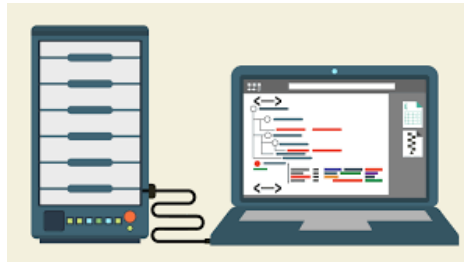✓ **The main types of hosting** are (Shared, Dedicated, VPS, and Cloud).

- Shared Hosting

Shared hosting is the most popular form of hosting, and probably the best for most website owners. One of the biggest advantages of shared hosting is very cheap. If you have little to no resources, you can still make shared hosting work for you.

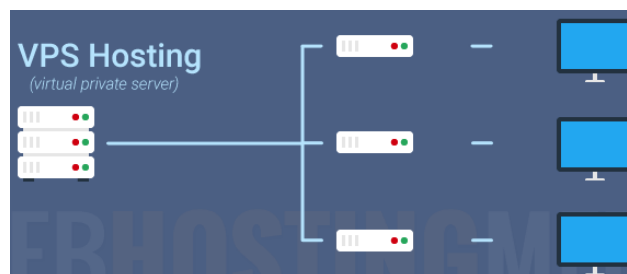Shared Hosting

- **Dedicated Hosting**

The dedicated hosting, In this hosting you can rent an entire physical server. This means no sharing of resources with other users. As a result, the costs of dedicated hosting will be much more expensive.

Dedicated Hosting

- **VPS Hosting**

VPS hosting is a very different style of hosting. It uses a technical process called virtualization to create a virtual dedicated server. However, it still pulls resources from multiple physical servers that you're sharing with other people.

- **Cloud Hosting**

Cloud hosting is unique in that you're using virtual hardware. Your entire hosting environment lives in the cloud. This relatively new style of hosting has grown in popularity for some reasons.

➢ **Web Publishing**

Web Publishing or "online publishing," is the process of publishing content on the Internet. It includes creating and uploading Websites, updating Web Pages, and posting blogs online. The published content may include text, images, videos, and other types of media.

Different between Websites and WebPages	
Websites	**WebPages**
Web site is a collection of Web pages. **For example**, Amazon.com is a Web site, but there are millions of Web pages that make up the site.	Web pages can either be static or dynamic. Static pages show the same content each time they are viewed. Dynamic pages have content that can change each time they are accessed.

✓ **Web Publishing Process:**

Editing an existing page

Download your page Edit web page in word → Replace existing page on website → Check Metadata → Submit → Approve