



Web Design

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Web Design

Designing Websites

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- The `<a>` tag defines a hyperlink, which is used to link from one page to another.
- The most important attribute of the `<a>` element is the `href` attribute, which indicates the link's destination.

By default, links will appear as follows in all browsers:

- An unvisited link is underlined and blue
- A visited link is underlined and purple
- An active link is underlined and red



In HTML, when using the **anchor tag** (<a>), you can specify the location of a resource (like a webpage or file) using either a **relative path** or an **absolute path**.

1. Absolute Path

- An absolute path provides the complete URL to a resource, including the **protocol** (http://, https://), domain name, and the specific path to the file.

Example:

```
<a href="https://www.example.com/page1.html">
```

Visit Page 1

```
</a>
```



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Absolute & Relative Path



```
<a href="https://www.wikipedia.org/" >
```

Visit Wikipedia

```
</a>
```



- **Relative Path**

A relative path provides a link relative to the current document's location. This is useful for linking to other pages or resources within the same website.

Example:

```
<a href="page2.html"> Visit Page 2 </a>
```



Example 1: sampleimg1.html

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<p>
```

An image as a link:

```
<a href="https://pes.edu/">
```

```

```

```
</a> </p>
```

```
</body>
```

```
</html>
```



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Hyperlink Using Anchor – Image as link



Example 1:

An image as a link:





The **target attribute** in the `<a>` (anchor) tag specifies **where to open the linked document** when a hyperlink is clicked.

Common values of target:

1. **_self** (default) → Opens the link in the same tab/window.
2. **_blank** → Opens the link in a **new tab/window**.
3. **_parent** → Opens the link in the parent frame (used with frames).
4. **_top** → Opens the link in the full body of the window, breaking out of frames.



Common values of target:

1. **_self** (default) → Opens the link in the same tab/window.
2. **_blank** → Opens the link in a **new tab/window**.

Targetattribute.html



Common values of target:

3. **_parent** → Opens the link in the parent frame (used with frames).

The **<iframe>** (Inline Frame) tag is used to **embed another HTML page/document inside the current webpage.**

- Think of it like a “**window**” **inside your page** that shows another webpage.



frame.html

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h2>Main Page</h2>
```

```
<iframe src="child.html" width="400" height="200"></iframe>
```

```
</body>
```

```
</html>
```



child.html

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
  <h3>This is inside the iframe</h3>
```

```
  <!-- This link will replace the parent page, not just the iframe -->
```

```
    <a href="https://www.wikipedia.org" target="_parent">
```

Open Wikipedia in Parent

```
  </a>
```

```
</body>
```

```
</html>
```



4._top → Opens the link in the full body of the window, breaking out of frames.

if your page is **inside an <iframe>**, clicking this link will **replace the entire browser window with the new page**, instead of just updating the iframe.

If the page is **not inside an iframe**, _top behaves just like _self (normal open in the same tab).

```
<a href="child.html" target="_top"> Open in Full Window</a>
```



Example 2:

```
<!DOCTYPE html>
<html>
<body>
<p>To create a link to a telephone number, use tel: inside the href attribute:</p>
<p>
<a href="tel:+91 9611400221 "> + 91 9611400221 </a>
</p>
</body>
</html>
```

If your computer has a calling app (e.g., Skype, Microsoft Teams, Zoom Phone, Google Voice) and it's set as the default handler for tel: links, clicking will open that app.



This allows users to click the link to initiate a phone call on devices that support this functionality, such as smartphones and tablets.

TEL protocol is particularly useful for creating clickable phone numbers on websites, **allowing users to dial phone numbers directly from their devices.**



(mailto:youremail@example.com) –

This is the URL for the hyperlink. The **mailto:** part tells the browser to open the default email client with a new email

link is a way to create a clickable email link that

Outlook.com is an **email service that was formerly known as Hotmail.**

It provides users with a platform to **send, receive, and manage their emails through** a web-based interface provided by Microsoft.

It integrates with other Microsoft services, like Office Online and OneDrive.



Basic Syntax

```
<a href="mailto:recipient@example.com">Send Email</a>
```

Adding Subject and Body

```
<a href="mailto:someone@example.com?subject=Hello&body=This%20is%20a%20test%20email.">  
  Send Email  
</a>
```



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Hyperlink Using Anchor



EL 1

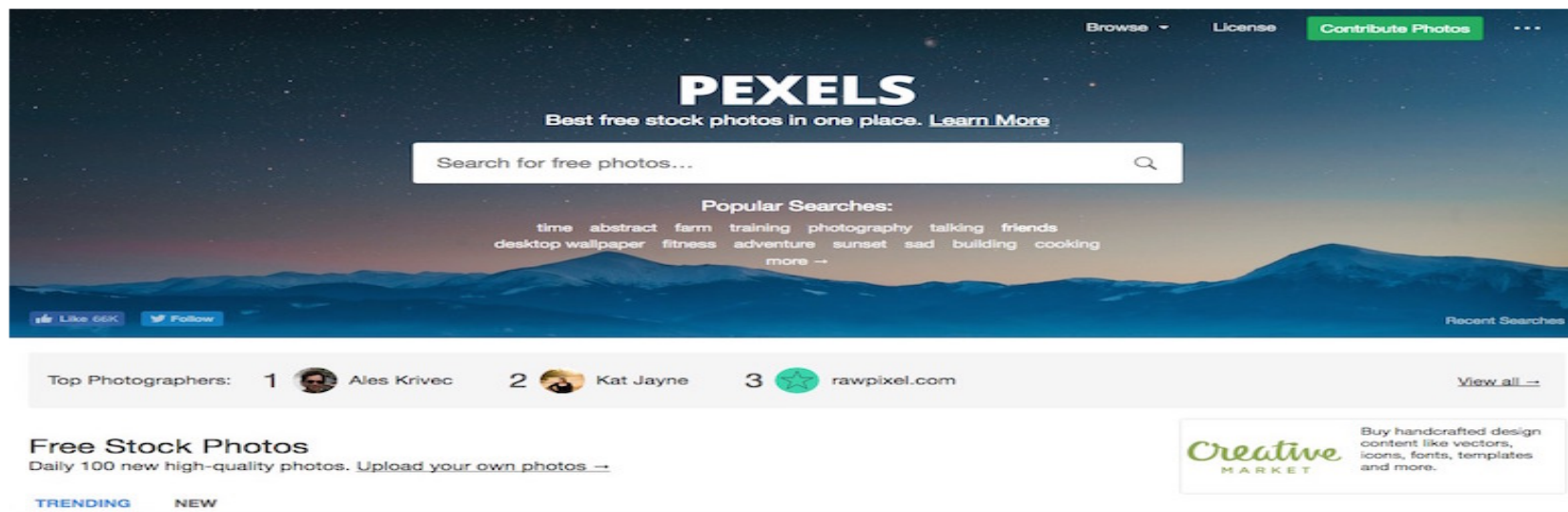
Welcome to My Webpage

About Me

Hello! My name is XYZ. I am a [web developer](#) and [designer](#) who loves to create beautiful and functional websites. Below is a picture of my latest project.

My Latest Project

Here's an image of a website I recently designed:



Contact Me

If you'd like to get in touch, feel free to [email me](#) or visit my [website](#) for more information.

More Information

For more details about my work, check out my [portfolio](#).



THANK YOU

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