



PES
UNIVERSITY

CELEBRATING 50 YEARS

Web Design

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Web Design

Designing Websites

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List Tag



- HTML lists allow web developers to group a set of related items in lists.
- **Types:**
 - 1) Ordered List
 - 2) Unordered List
 - 3) Definition List



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Ordered List



Ordered List

An ordered list starts with the `` tag. Each list item starts with the `` tag.

Syntax:

```
<ol>
<li>-----</li>
<li>-----</li>
<li>-----</li>
</ol>
```

Example:

```
<ol>
    <li> HTML </li>
    <li> CSS </li>
    <li> JavaScript </li>
</ol>
```



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Ordered List



Example 1:

```
<html>
  <head> <title> Ordered list </title>
  </head>
  <body>
    <h3> Cessna 210 Engine Starting Instructions </h3>
    <ol>
      <li> Set mixture to rich </li>
      <li> Set propeller to high RPM </li>
      <li> Set ignition switch to "BOTH" </li>
      <li> Set auxiliary fuel pump switch to "LOW PRIME" </li>
      <li> When fuel pressure reaches 2 to 2.5 PSI </li>
    </ol>
  </body>
</html>
```



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Unordered List



- Unordered List or Bulleted List displays elements in bulleted format . We can use unordered list where we do not need to display items in any particular order.
- The HTML `` tag defines an unordered list.
- An unordered list starts with the `` tag.
- Each list item starts with the `` tag.



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Unordered List



Syntax:

```
<ul>  
    <li>-----</li>  
    <li>-----</li>  
    <li>-----</li>  
</ul>
```

Example:

```
<ul>  
    <li> HTML </li>  
    <li> CSS </li>  
    <li> JavaScript </li>  
</ul>
```



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Unordered List



The **CSS list-style-type** property is used to define the style of the list item marker. It can have one of the following values:

- disc Sets the list item marker to a bullet (default)
- circle Sets the list item marker to a circle
- square Sets the list item marker to a square
- none The list items will not be marked



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Unordered List



Example 2:

```
<ul style="list-style-type:circle;">
    <li>Coffee</li>
    <li>Tea</li>
    <li>Milk</li>
</ul>
```

Example 3:

```
<ul type="circle">
    <li>List item </li>
    <li>List item</li>
    <li>List item</li>
</ul>
```

• **Type attribute** should be used only on the `` or `` elements. Not recommended in **HTML5**,

• **list-style-type:circle** is a **CSS property** that defines the marker type.

• More **flexible and recommended** in modern HTML because CSS separates styling from structure.
recommended in **HTML5**,



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Unordered List



Example 1:

```
<ul style="list-style-type:disc;">
    <li>Coffee</li>
    <li>Tea</li>
    <li>Milk</li>
</ul>
```

```
<ul type="square">
    <li>List item</li>
    <li>List item</li>
    <li>List item</li>
</ul> </body>
```



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Unordered List



Example 2:

```
<!DOCTYPE html>
<html>
<body>

<h3>Unordered List with Disc (default)</h3>
<ul type="disc">
    <li>Milk</li>
    <li>Bread</li>
    <li>Eggs</li>
</ul>
```

```
<h3>Unordered List with Circle</h3>
<ul type="circle">
    <li>Apple</li>
    <li>Banana</li>
    <li>Mango</li>
</ul>

<h3>Unordered List with Square</h3>
<ul type="square">
    <li>Pen</li>
    <li>Pencil</li>
    <li>Eraser</li>
</ul>

</body>
</html>
```



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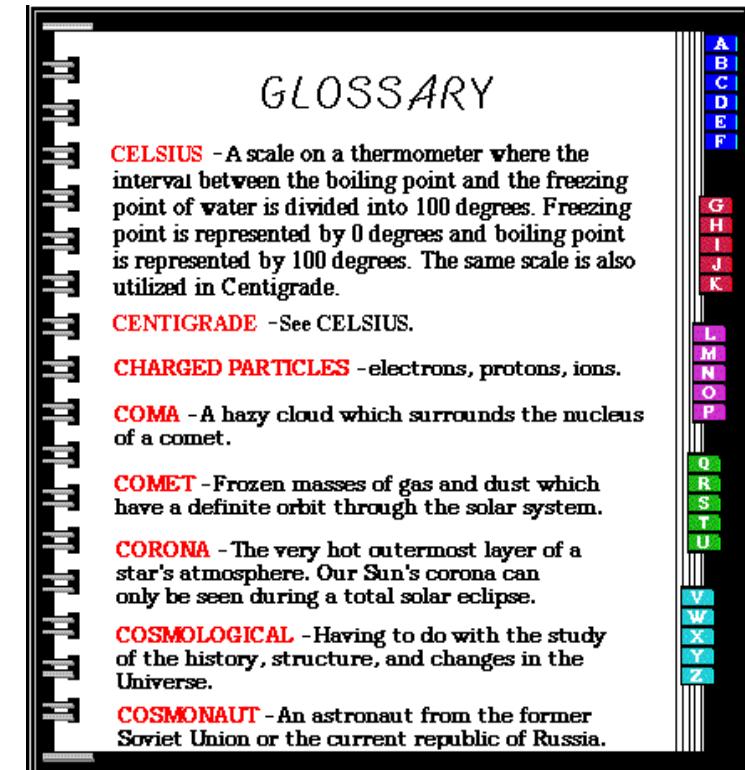
Definition List



A **definition list** in HTML is used to display a list of terms and their corresponding definitions.

- List is the content of the **<dl>** tag
- Terms being defined are the content of the **<dt>** tag
- The definitions themselves are the content of the **<dd>** tag

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The image shows a page from a glossary, styled like a spiral-bound notebook. The page is titled "GLOSSARY" in a large, bold, black font at the top center. To the right of the title is a vertical column of colored squares, each containing a letter from A to Z. The main content area contains several entries, each consisting of a term in red and its definition in black. The entries are:

- CELSIUS** - A scale on a thermometer where the interval between the boiling point and the freezing point of water is divided into 100 degrees. Freezing point is represented by 0 degrees and boiling point is represented by 100 degrees. The same scale is also utilized in Centigrade.
- CENTIGRADE** - See CELSIUS.
- CHARGED PARTICLES** - electrons, protons, ions.
- COMA** - A hazy cloud which surrounds the nucleus of a comet.
- COMET** - Frozen masses of gas and dust which have a definite orbit through the solar system.
- CORONA** - The very hot outermost layer of a star's atmosphere. Our Sun's corona can only be seen during a total solar eclipse.
- COSMOLOGICAL** - Having to do with the study of the history, structure, and changes in the Universe.
- COSMONAUT** - An astronaut from the former Soviet Union or the current republic of Russia.



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Definition List



- <dl>: Defines the start and end of the definition list.
- <dt>: Defines a term or name in the list.
- <dd>: Defines the description or definition of the term

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HTML

HTML stands for HyperText Markup Language. It is the standard language for creating web pages and web applications.

CSS

CSS stands for Cascading Style Sheets. It is used to style and layout web pages, such as changing fonts, colors, and spacing.

JavaScript

JavaScript is a programming language that enables interactive web pages. It is an essential part of web applications.



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Definition List



- **Example 3:**

```
<h3> Single-Engine Cessna Airplanes </h3>
<dl >
  <dt> 152 </dt>
  <dd> Two-place trainer </dd>
  <dt> 172 </dt>
  <dd> Smaller four-place airplane </dd>
  <dt> 182 </dt>
  <dd> Larger four-place airplane </dd>
  <dt> 210 </dt>
  <dd> Six-place airplane </dd>
</dl>
```

Definition List

Single-Engine Cessna Airplanes
152
Two-place trainer
172
Smaller four-place airplane
182
Larger four-place airplane
210
Six-place airplane - high performance



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Nested List



- Any type list can be nested inside any type list.
- The nested list must be in a list item.

Example:

```
<h3> Aircraft Types </h3>
<ol>
    <li> General Aviation (piston-driven engines)
        <ol>
            <li> Single-Engine Aircraft
                <ol>
                    <li> Tail wheel </li>
                    <li> Tricycle </li>
                </ol>
            </li>
        </ol>
    </li>
</ol>
```



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Definition List

- **Nested Example 4:**

```
<!DOCTYPE html>
<html>
<body>

<h3>Nested List Example</h3>
<ul>
    <li>Fruits
        <ul type="circle">
            <li>Apple</li>
            <li>Mango</li>
            <li>Banana</li>
        </ul>
    </li>
```

- **Fruits**
 - Apple
 - Mango
 - Banana
- **Vegetables**
 - Carrot
 - Potato
 - Spinach



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Definition List



```
<li>Vegetables
    <ul type="square">
        <li>Carrot</li>
        <li>Potato</li>
        <li>Spinach</li>
    </ul>
</li>
</ul>

</body>
</html>
```

- **Fruits**
 - Apple
 - Mango
 - Banana
- **Vegetables**
 - Carrot
 - Potato
 - Spinach



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Definition List



EL Example 1:

1. Chapter 1
 - a. Introduction
 - b. Background
2. Chapter 2
 - a. Methodology
 - b. Results
3. Chapter 3
 - a. Discussion
 - b. Conclusion



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Definition List

EL Example 2:

- **Programming Languages**
 - 1. Web Development
 - HTML – Defines the structure of web pages
 - CSS – Styles and layouts for web pages
 - JavaScript – Adds interactivity to web pages
 - 2. Data Science
 - Python – Widely used for ML, AI, and data analysis
 - R – Specialized in statistical analysis
- **Databases**
 - MySQL
 - PostgreSQL
 - MongoDB



THANK YOU

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