



# Session: Lists

# HTML List <li> Tag

## What is a list?

A list is a record of short pieces of information, such as people's names, usually written or printed with a single thing on each line and ordered in a way that makes a particular thing easy to find.

## For example:

- A shopping list
- To-do list

## Lists in HTML:

HTML offers three ways for specifying lists of information. All lists must contain one or more list elements.

The types of lists that can be used in HTML are :

- ❑ **ul** : An unordered list. This will list items using plain bullets.
- ❑ **ol** : An ordered list. This will use different schemes of numbers to list your items.
- ❑ **dl** : A description list. This arranges your items in the same way as they are arranged in a dictionary.



# HTML Unordered list<ul> Tag

An unordered list starts with the “ul” tag. Each list item starts with the “li” tag. The list items are marked with bullets i.e small black circles by default.

**1. Dots** : Sets the list item marker to a dots.

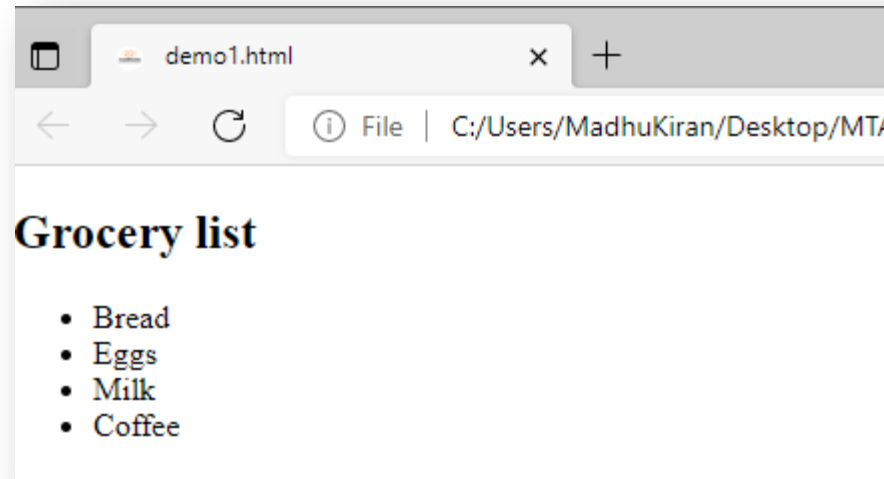
## Snippet for ul Tag:

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

<h2>Grocery list</h2>

<ul>
<li>Bread</li>
<li>Eggs</li>
<li>Milk</li>
<li>Coffee</li>
</ul>

</body>
</html>
```



# HTML Unordered list<ul> Tag

The HTML Unordered List has various List Item Markers:-

2. **Circle** : Sets the list item marker to a circle.

**Snippet for ul Tag:**

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h2>Unordered List with Disc Bullets</h2>
```

```
<h2>Grocery List</h2>
```

```
<ul style="list-style-type:disc">
```

```
<li>Bread</li>
```

```
<li>Eggs</li>
```

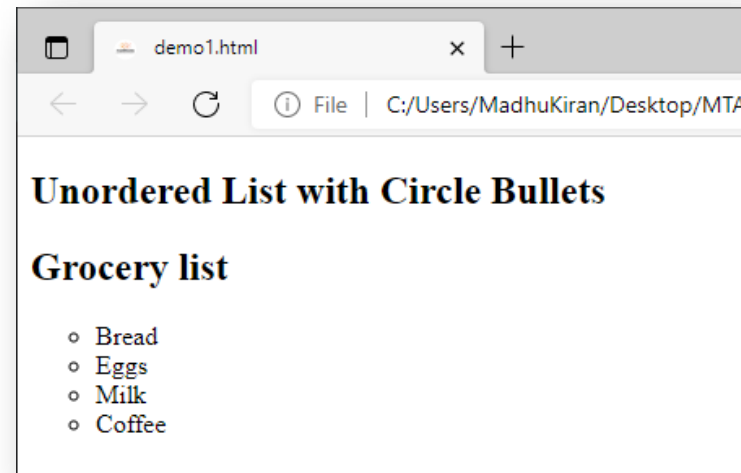
```
<li>Milk</li>
```

```
<li>Coffee</li>
```

```
</ul>
```

```
</body>
```

```
</html>
```



# HTML Unordered list<ul> Tag

The HTML Unordered List has various List Item Markers:-

3. **Square** : Sets the list item marker to a square.

**Snippet for ul Tag:**

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h2>Unordered List with Square Bullets</h2>
```

```
<h2>Grocery list</h2>
```

```
<ul style="list-style-type:square">
```

```
<li>Bread</li>
```

```
<li>Eggs</li>
```

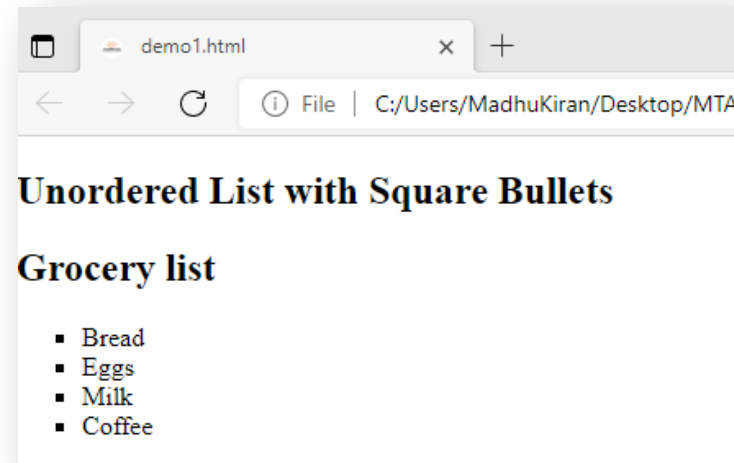
```
<li>Milk</li>
```

```
<li>Coffee</li>
```

```
</ul>
```

```
</body>
```

```
</html>
```



# HTML ordered list<ol> Tag

An ordered list starts with the “ol” tag. Each list item starts with the “li” tag. The list items are marked with numbers by default.

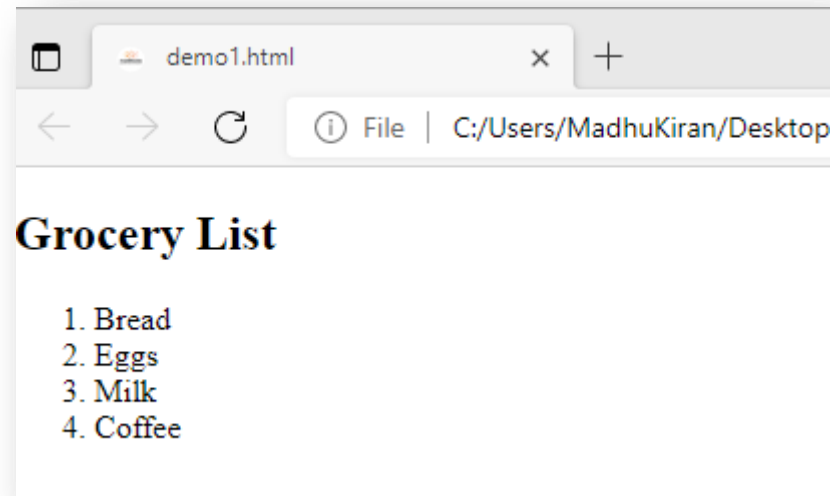
## Snippet for ol Tag:

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

<h2>Grocery List</h2>

<ol>
<li>Bread</li>
<li>Eggs</li>
<li>Milk</li>
<li>Coffee</li>
</ol>

</body>
</html>
```





# HTML ordered list<ol> Tag

**The HTML Ordered List has various List Item Markers:**

The type attribute of the <ol> tag, defines the type of the list item marker.

**1.Type="1" :** The list items will be numbered with numbers i.e default.

**Snippet for ol Tag:**

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h2>Ordered List with Numbers</h2>
```

```
<ol type="1">
```

```
<li>Bread</li>
```

```
<li>Eggs</li>
```

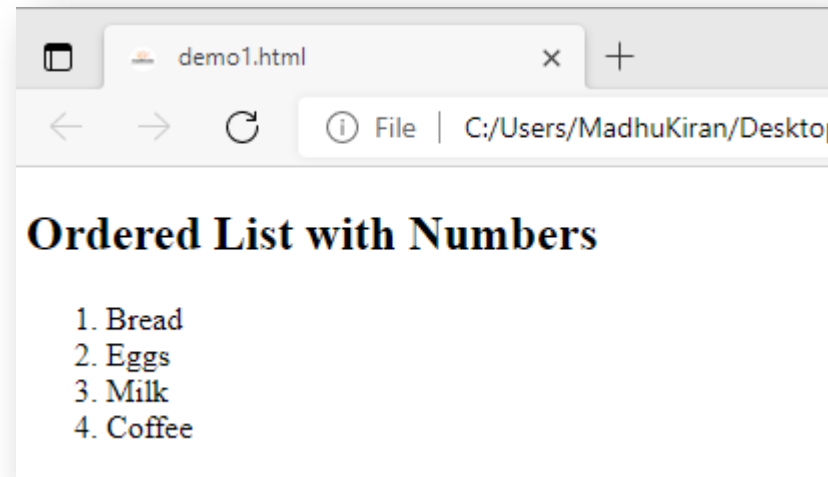
```
<li>Milk</li>
```

```
<li>Coffee</li>
```

```
</ol>
```

```
</body>
```

```
</html>
```



# HTML ordered list<ol> Tag

**The HTML Ordered List has various List Item Markers:**

The type attribute of the <ol> tag, defines the type of the list item marker.

**2. Type="a" :** The list items will be numbered with lowercase letters..

**Snippet for ol Tag:**

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h2>Ordered List with Lowercase Letters</h2>
```

```
<ol type="a">
```

```
<li>Bread</li>
```

```
<li>Eggs</li>
```

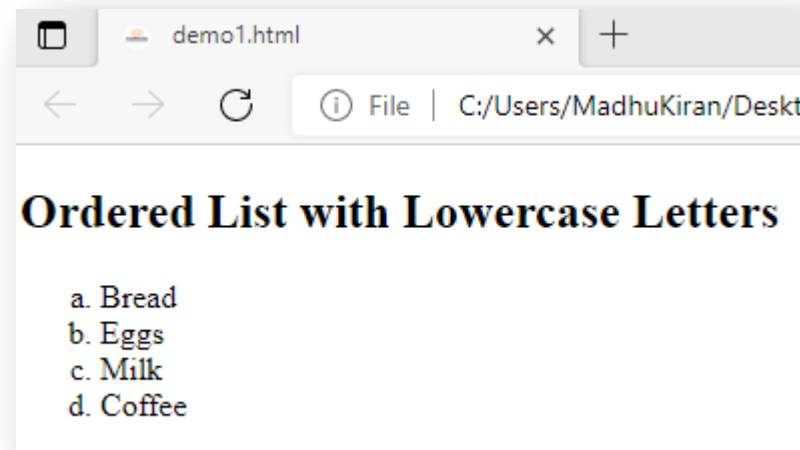
```
<li>Milk</li>
```

```
<li>Coffee</li>
```

```
</ol>
```

```
</body>
```

```
</html>
```





# HTML ordered list<ol> Tag

**The HTML Ordered List has various List Item Markers:**

The type attribute of the <ol> tag, defines the type of the list item marker.

**3. Type="A" :** The list items will be numbered with uppercase letters.

**Snippet for ol Tag:**

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h2>Ordered List with Letters</h2>
```

```
<ol type="A">
```

```
<li>Bread</li>
```

```
<li>Eggs</li>
```

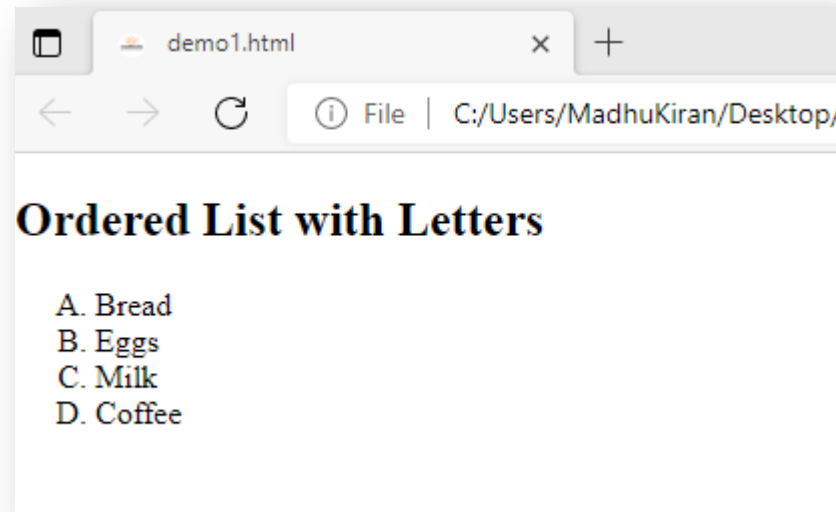
```
<li>Milk</li>
```

```
<li>Coffee</li>
```

```
</ol>
```

```
</body>
```

```
</html>
```



# HTML ordered list<ol> Tag

**The HTML Ordered List has various List Item Markers:**

The type attribute of the <ol> tag, defines the type of the list item marker.

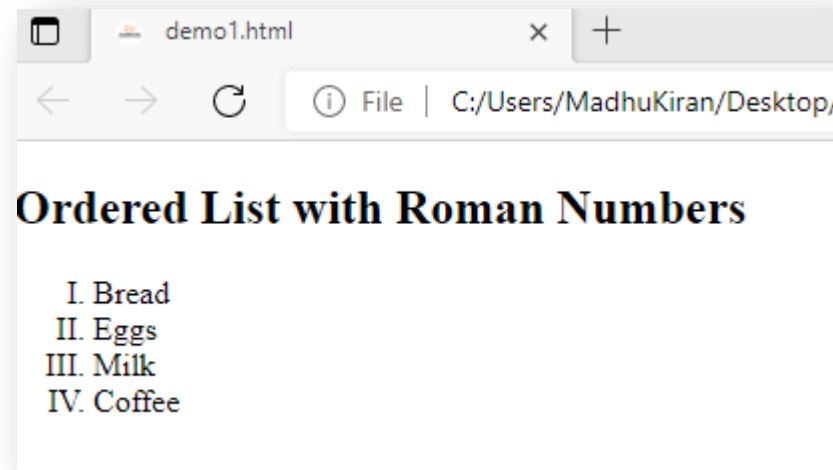
**4. Type="I" :** The list items will be numbered with uppercase roman numbers.

**Snippet for ol Tag:**

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

```
<h2>Ordered List with Roman Numbers</h2>
```

```
<ol type="I">  
<li>Bread</li>  
<li>Eggs</li>  
<li>Milk</li>  
<li>Coffee</li>  
</ol>  
  
</body>  
</html>
```



# HTML ordered list<ol> Tag

**The HTML Ordered List has various List Item Markers:**

The type attribute of the <ol> tag, defines the type of the list item marker.

**5. Type="i" :** The list items will be numbered with lowercase roman numbers.

**Snippet for ol Tag:**

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h2>Ordered List with Lowercase Roman Numbers</h2>
```

```
<ol type="i">
```

```
<li>Bread</li>
```

```
<li>Eggs</li>
```

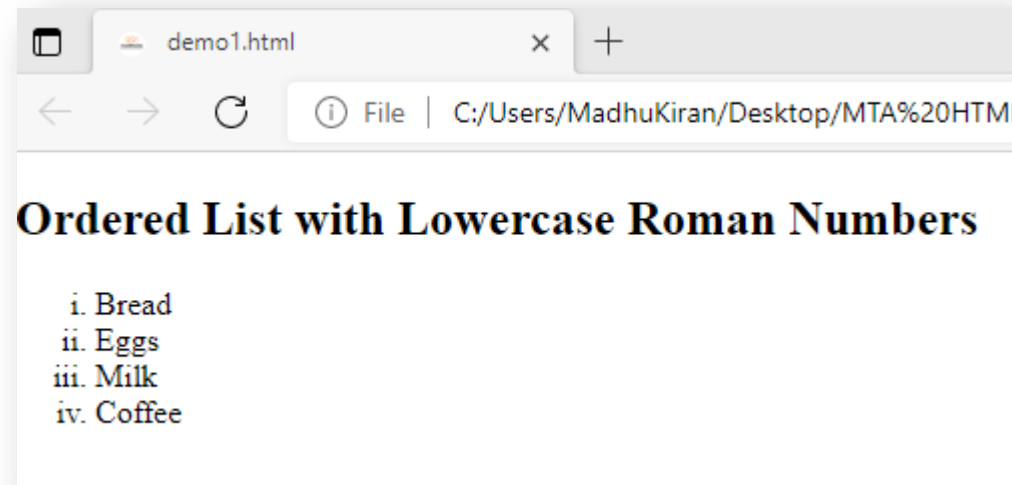
```
<li>Milk</li>
```

```
<li>Coffee</li>
```

```
</ol>
```

```
</body>
```

```
</html>
```



# HTML Description list<dl> Tag

A description list is a list of terms, with a description of each term.

The <dl> tag defines the description list, the <dt> tag defines the term name, and the <dd> tag describes each term.

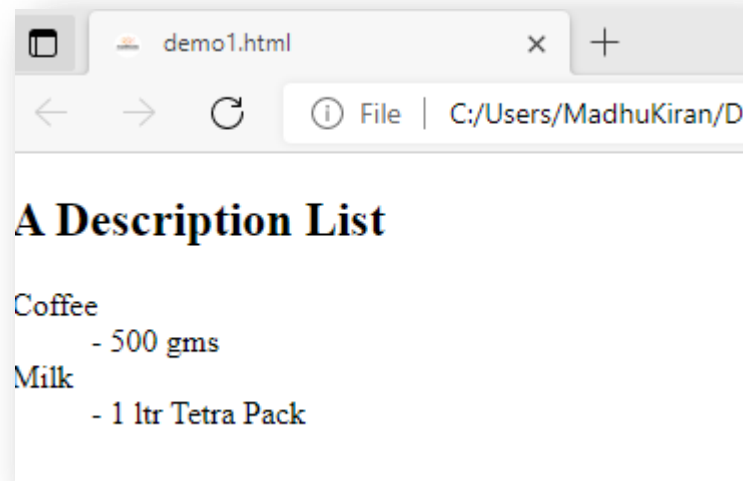
## Snippet for dl Tag:

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

<h2>A Description List</h2>

<dl>
<dt>Coffee</dt>
<dd>- 500 gms</dd>
<dt>Milk</dt>
<dd>- 1 ltr Tetra Pack</dd>
</dl>

</body>
</html>
```



# HTML Description list<dl> Tag

## Nested List in HTML:

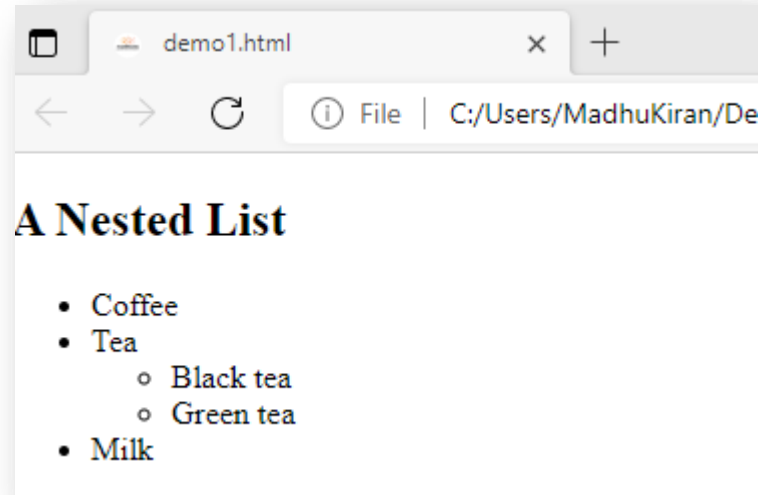
A nested list is a list which has a list inside a list.

## Snippet for Nested list:

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

<h2>A Nested List</h2>

<ul>
<li>Coffee</li>
<li>Tea
    <ul>
    <li>Black tea</li>
    <li>Green tea</li>
    </ul>
</li>
<li>Milk</li>
</ul>
</body>
</html>
```



# Questions??

Every engineer has a tendency to tinker on a problem, lets answer few of them.







# Session: SUMMARY TAG

# HTML Summary<summary> Tag

The <summary> tag in HTML is used to define a summary for the <details> element.

- The <summary> element is used along with the <details> element and provides a summary visible to the user.
- When the summary is clicked by the user, the content placed inside the <details> element becomes visible which was previously hidden.
- The <summary> tag was added in HTML 5.
- The <summary> tag requires both starting and ending tag.

## Syntax:

<summary> Content whose summary is required </summary>



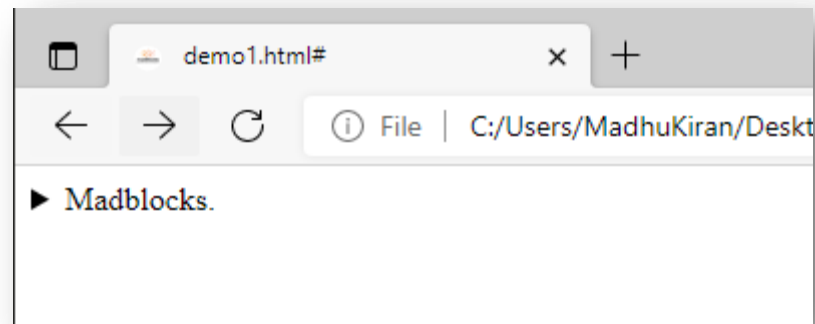
# HTML Summary<summary> Tag

Example:

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

```
<details>  
<summary>Madblocks.</summary>  
<p> It is a portal for tech geeks.</p>  
</details>
```

```
</body>  
</html>
```



# HTML Details<details> Tag

The <details> tag is used for the content/information which is initially hidden but could be displayed if the user wishes to see it.

This tag is used to create an interactive widget that the user can open or close.

The content of the details tag is visible when open the set attributes. The summary tag is used with the **details** tag for specifying visible heading.

## Syntax:

```
<details>  
<summary> Text content </summary>  
<div> Content . . . >  
</details>
```

## Attributes:

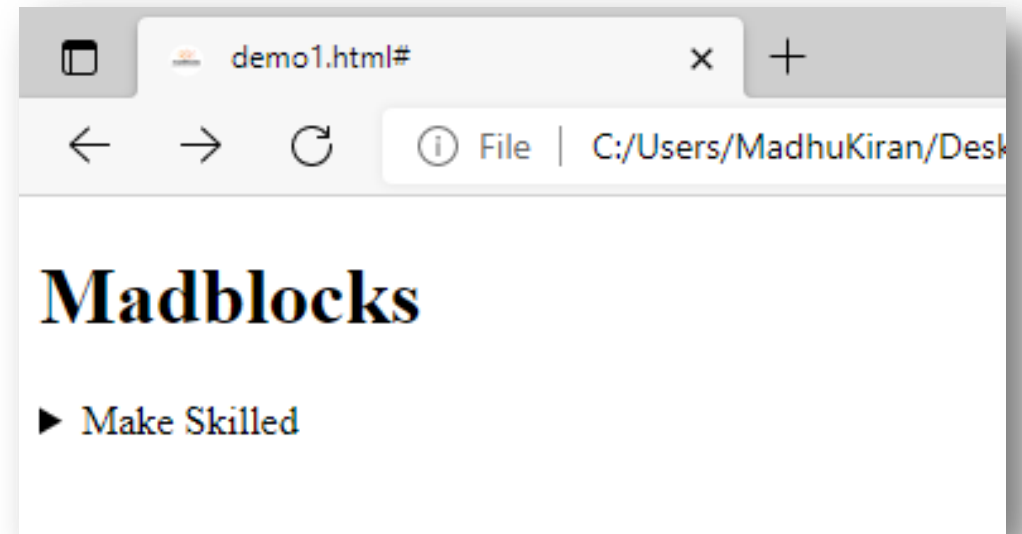
**details open**: The detail tag has an attribute called **open** which is used to display the hidden information by default.



# HTML Details<details> Tag

**Example:** The below code explains the details tag.

```
<!DOCTYPE html>
<html>
<body>
<h1>Madblocks</h1>
<!-- deatils tag starts here -->
<details>
<summary>Make Skilled</summary>
<p>A computer science portal for tech geeks</p>
<div>It is a computer science portal where you
can learn programming.</div>
<!-- deatils tag ends here -->
</details>
</body>
</html>
```



# HTML Details<details> Tag

**Syntax:** <details open> <summary> Text content </summary> <div> Content . . . > </details>

## Example:

```
<!DOCTYPE html>
<html>
<body>
<h1>Codegnan</h1>
<!-- deatils tag starts here -->
<details open>
<summary>Make Skilled</summary>
<p>A computer science portal for tech geeks</p>
<div>It is a computer science portal where you
can learn programming.</div>
<!-- deatils tag ends here -->
</details>
</body>
</html>
```

