

HTML LISTS

- Lists are used to group related items
- There are two types of lists

Unordered List:	Ordered List:
• Item	1. First item
• Item	2. Second item
• Item	3. Third item

DIFFERENCE BETWEEN ORDERED AND UNORDERED LISTS IN HTML

Ordered List ()

- Items are displayed in a specific order.
- Each item is numbered or uses a specific sequence (e.g., numbers, letters, Roman numerals).
- Used when the order or ranking of items is important.

Unordered List ()

- Items are displayed with bullets instead of numbers or sequence.
- Used when the order of items doesn't matter; the list is more about grouping items.

UNORDERED LISTS

- An unordered list starts with the `` tag. Each list item starts with the `` tag.
- The list items will be marked with bullets (small black circles):
- Example
- Ul = unoredered list while li = list item

example

- ```

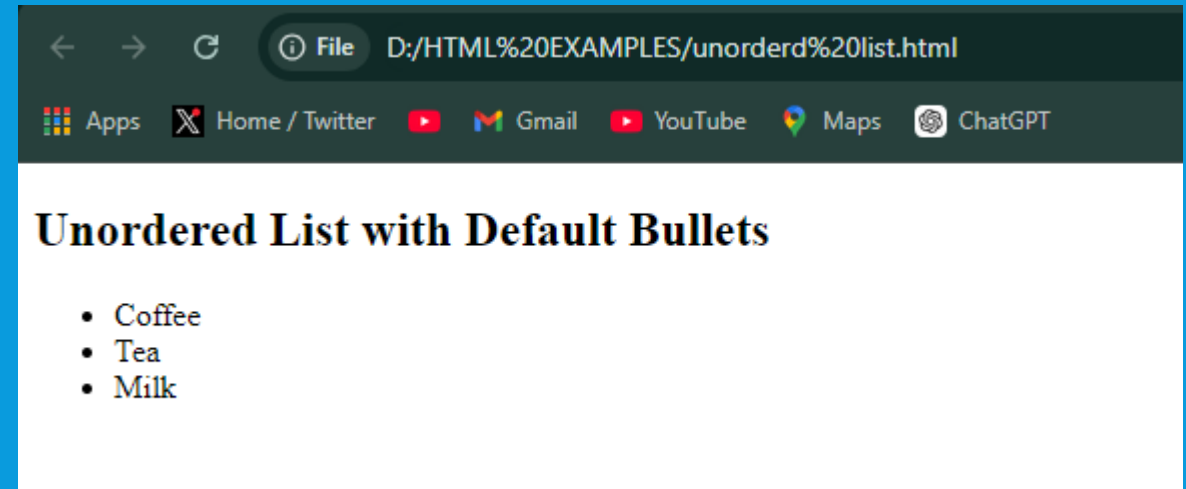
 Coffee
 Tea
 Milk

```

# EXAMPLE 1

- On the right is the unordered list html and on right the output

```
1 <!DOCTYPE html>
2 <html>
3 <body>
4
5 <h2>Unordered List with Default Bullets</h2>
6
7
8 Coffee
9 Tea
10 Milk
11
12
13 </body>
14 </html>
15
```



# UNORDERED HTML LISTS - THE STYLE ATTRIBUTE

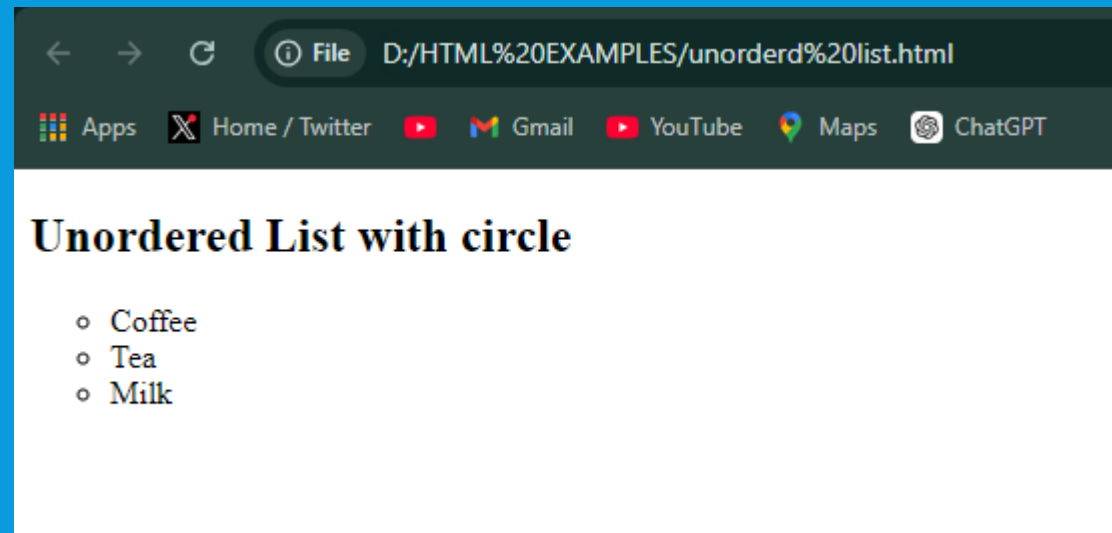
- A style attribute can be added to an unordered list, to define the style of the marker:

Style	Description
list-style-type:disc	The list items will be marked with bullets (default)
list-style-type:circle	The list items will be marked with circles
list-style-type:square	The list items will be marked with squares
list-style-type:none	The list items will not be marked

# EXAMPLE; USING LIST STYLE TYPE : CIRCLE

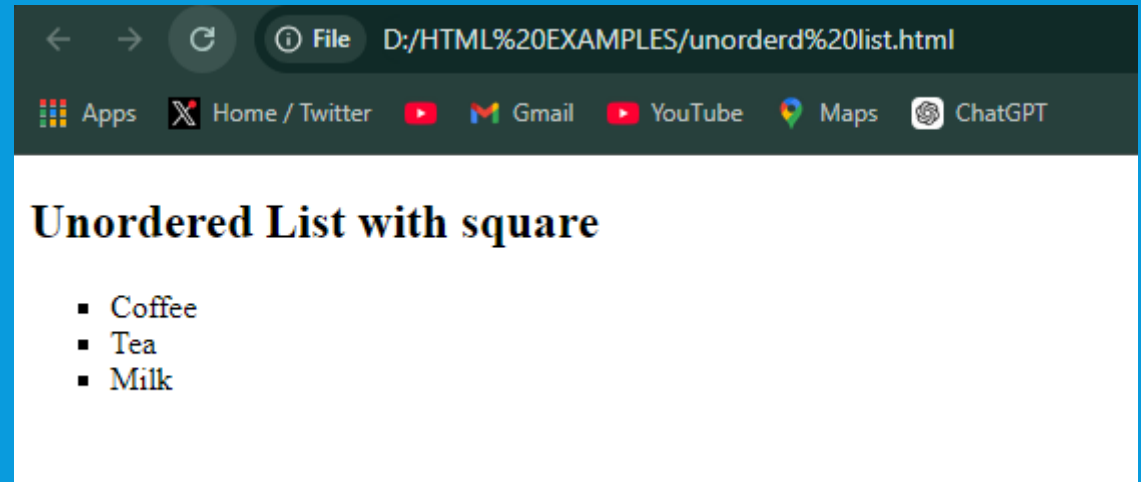
- Html code on left and output on right

```
1 <!DOCTYPE html>
2 <html>
3 <body>
4
5 <h2>Unordered List with circle</h2>
6
7
8 <ul style="list-style-type:circle">
9 Coffee
10 Tea
11 Milk
12
13
14 </body>
15 </body>
16 </html>
17
```



# EXAMPLE: USING LIST STYLE TYPE SQUARE

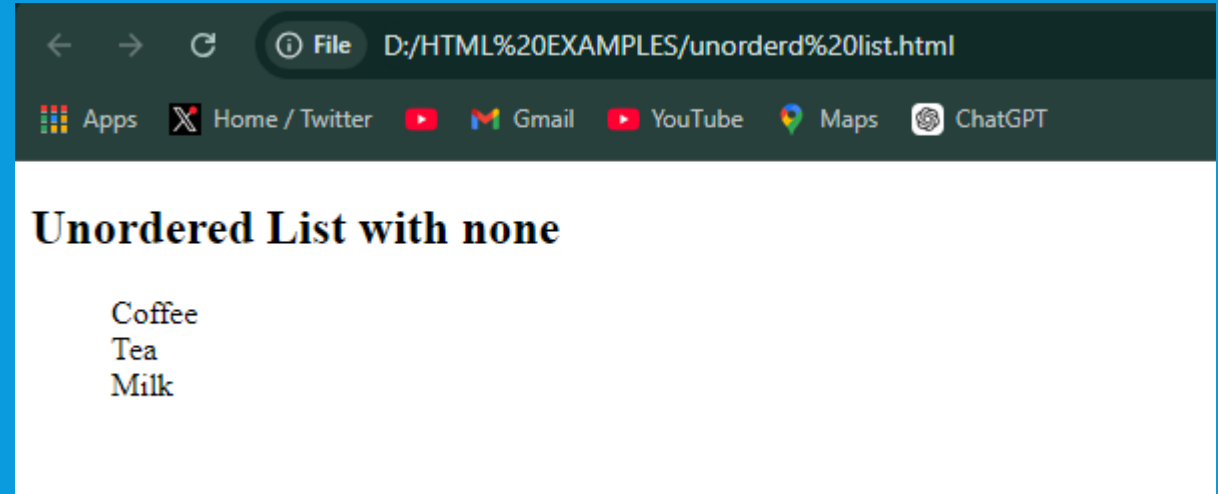
```
1 <!DOCTYPE html>
2 <html>
3 <body>
4
5 <h2>Unordered List with circle</h2>
6
7
8 <ul style="list-style-type:square">
9 Coffee
10 Tea
11 Milk
12
13
14 </body>
15 </body>
16 </html>
17
```





# EXAMPLE; LIST STYLE TYPE : NONE

```
1 <!DOCTYPE html>
2 <html>
3 <body>
4
5 <h2>Unordered List with circle</h2>
6
7
8 <ul style="list-style-type:none">
9 Coffee
10 Tea
11 Milk
12
13
14 </body>
15 </body>
16 </html>
17
```



# ORDERED HTML LISTS

- An ordered list starts with the `<ol>` tag. Each list item starts with the `<li>` tag.
- The list items will be marked with numbers:
- example

```

 Coffee
 Tea
 Milk

```

# ORDERED HTML LISTS - THE TYPE ATTRIBUTE

Type	Description
type="1"	The list items will be numbered with numbers (default)
type="A"	The list items will be numbered with uppercase letters
type="a"	The list items will be numbered with lowercase letters
type="I"	The list items will be numbered with uppercase roman numbers
type="i"	The list items will be numbered with lowercase roman numbers

# EXAMPLE: LIST WITH NUMBERS

```
1 <!DOCTYPE html>
2 <html>
3 <body>
4
5 <h2>ordered List with numbers</h2>
6
7
8 <ol type="1">
9 Coffee
10 Tea
11 Milk
12
13 </body>
14 </body>
15 </html>
16
```

## ordered List with numbers

1. Coffee
2. Tea
3. Milk

# EXAMPLE: UPPERCASE LETTERS

```
1 <!DOCTYPE html>
2 <html>
3 <body>
4
5 <h2>Ordered List with uppercase Letters</h2>
6
7 <ol type="A">
8 Coffee
9 Tea
10 Milk
11
12 </body>
13 </html>
14
15
```

## Ordered List with uppercase Letters

- A. Coffee
- B. Tea
- C. Milk

# EXAMPLE: LOWERCASE LETTERS

```
1 <!DOCTYPE html>
2 <html>
3 <body>
4
5 <h2>Ordered List with lowercase Letters</h2>
6
7 <ol type="a">
8 Coffee
9 Tea
10 Milk
11
12 </body>
13 </html>
14
15
```

## Ordered List with lowercase Letters

- a. Coffee
- b. Tea
- c. Milk

# EXAMPLE:WITH ROMAN NUMBERS UPPERCASE

```
1 <!DOCTYPE html>
2 <html>
3 <body>
4
5 <h2>Ordered List with Roman Numbers uppercase</h2>
6
7 <ol type="I">
8 Coffee
9 Tea
10 Milk
11
12
13 </body>
14 </body>
15 </body>
16 </html>
17
```

## Ordered List with Roman Numbers uppercase

- I. Coffee
- II. Tea
- III. Milk

# EXAMPLE: ORDERED LIST WITH LOWERCASE ROMAN NUMBERS

```
1 <!DOCTYPE html>
2 <html>
3 <body>
4
5 <h2>Ordered List with Lowercase Roman Numbers</h2>
6
7 <ol type="i">
8 Coffee
9 Tea
10 Milk
11
12
13 </body>
14 </body>
15 </html>
16
17
```

## Ordered List with Lowercase Roman Numbers

- i. Coffee
- ii. Tea
- iii. Milk



# HTML DESCRIPTION LISTS

- 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:

- Example

- `<dl>`
  - `<dt>Coffee</dt>`
  - `<dd>- black hot drink</dd>`
  - `<dt>Milk</dt>`
  - `<dd>- white cold drink</dd>`
- `</dl>`

# EXAMPLE; DESCRIPTION LIST

```
2 <!DOCTYPE html>
3 <html>
4 <body>
5
6 <h2>A Description List</h2>
7
8 <dl>
9 <dt>Coffee</dt>
10 <dd>- black hot drink</dd>
11 <dt>Milk</dt>
12 <dd>- white cold drink</dd>
13 </dl>
14
15 </body>
16 </html>
17
```

## A Description List

Coffee

- black hot drink

Milk

- white cold drink

# NESTED HTML LISTS

- List can be nested (lists inside lists):
- Example

```

 Coffee
 Tea

 Black tea
 Green tea

 Milk

```

# EXAMPLE: NESTED HTML LISTS

```
1
2 <!DOCTYPE html>
3 <html>
4 <body>
5
6
7 <h2>A Nested List</h2>
8
9
10 Coffee
11 Tea
12
13 Black tea
14 Green tea
15
16
17 Milk
18
19
20 </body>
21
22 </body>
23 </html>
24
```

## A Nested List

- Coffee
- Tea
  - Black tea
  - Green tea
- Milk

# EXAMPLE: STARTING FROM SPECIFIC NUMBER

- You can start to whatever number you want, 7,8,9 etc the below starts from 4

```
1
2 <!DOCTYPE html>
3 <html>
4 <body>
5
6
7 <h2>Custom Numbered List starting with number 4</h2>
8 <ol start="4">
9 First Task
10 Second Task
11 Third Task
12
13
14 </body>
15
16 </body>
17 </html>
18
```

## Custom Numbered List starting with number 4

4. First Task
5. Second Task
6. Third Task

# REVERSE LISTING

The reversed attribute reverses the order of numbering.

- Syntax:

- <ol reversed>

- Just add the term reverse inside the ol opening tag

- example

- <ol reversed>

- <li>First Task</li>

- <li>Second Task</li>

- <li>Third Task</li>

- <li>Fourth Task</li>

- </ol>

# EXAMPLE OF REVERSE LIST

```
1
2 <!DOCTYPE html>
3 <html>
4 <body>
5
6 <h2>Reverse Numbered List</h2>
7
8 <ol reversed>
9 First Task
10 Second Task
11 Third Task
12 Fourth Task
13
14
15 </body>
16</html>
```

## Reverse Numbered List

4. First Task
3. Second Task
2. Third Task
1. Fourth Task

# REVERSE START

- The start="5" attribute sets the starting number to 4, and the list is automatically numbered downward as desired: 5,4, 3, 2, 1.

- Example

```
<ol reversed start="5">
```

```
 Database management
```

```
 Computer application
```

```
 Visual basic
```

```

```



# KNEC IBP JULY 2022 REVERSE ORDER LIST

- Lets try the example from knec ibp July 2022, as you can see the below the ordered list doesn't reverse start from 1 but it starts from 2 ..answer below

(c) Write a HTML code that would display the following list when run on a web browser.

## Description Lists:

### CATEGORIES OF TRANSPORTATION :

4. COMMUNITY TRANSPORTATION
3. INDIVIDUAL SERVICES TRANSPORTATION
2. MANAGED CARE TRANSPORTATION

### TYPES OF TRANSPORTATION :

- BUSES
- TRAIN
- AIR

#### Community Transportation

These are trips provided for members of the general public or clients of human services agencies who travel on group basis.

(6 marks)

# ANSWER

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

 <h2>CATEGORIES OF TRANSPORTATION</h2>

 <ol reversed start="4">
 COMMUNITY TRANSPORTATION
 INDIVIDUAL SERVICES TRANSPORTATION
 MANAGED CARE TRANSPORTATION

</body>
</html>
```

## CATEGORIES OF TRANSPORTATION

4. COMMUNITY TRANSPORTATION
3. INDIVIDUAL SERVICES TRANSPORTATION
2. MANAGED CARE TRANSPORTATION

# LETS GIVE BOLD TO THE FIRST LIST ITEM

- You can use `<strong>` to bold it

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

 <h2>CATEGORIES OF TRANSPORTATION</h2>

 <ol reversed start="4">
 COMMUNITY TRANSPORTATION
 INDIVIDUAL SERVICES TRANSPORTATION
 MANAGED CARE TRANSPORTATION

</body>
</html>
```

## CATEGORIES OF TRANSPORTATION

4. **COMMUNITY TRANSPORTATION**
3. INDIVIDUAL SERVICES TRANSPORTATION
2. MANAGED CARE TRANSPORTATION

- Lets do the last part of the html question

(c) Write a HTML code that would display the following list when run on a web browser.

### Description Lists:

#### CATEGORIES OF TRANSPORTATION :

4. COMMUNITY TRANSPORTATION
3. INDIVIDUAL SERVICES TRANSPORTATION
2. MANAGED CARE TRANSPORTATION

#### TYPES OF TRANSPORTATION :

- BUSES
- TRAIN
- AIR








#### Community Transportation

These are trips provided for members of the general public or clients of human services agencies who travel on group basis.

(6 marks)

# OUTPUT

```
1 <!DOCTYPE html>
2 <html>
3 <body>
4
5
6
7 <dl>
8 <dt>community transportation</dt>
9 <dd>This are tips provided for members of the general public or clients of human service agencies who travel on group basis</dd>
10 </dl>
11
12 </body>
13
14 </html>
15
```

 Apps  Home / Twitter   Gmail  YouTube  Maps  ChatGPT

community transportation

This are tips provided for members of the general public or clients of human service agencies who travel on group basis

# EXAMPLE: IBP 2021 NOVEMBER Q1D

- (d) Write a HTML code that would display the following listed items as they appear when run on a web browser. (4 marks)
- (6 marks)

- A. History of Kenya
  - 3. Early History
  - 2. The Turkana Fossils
    - The Missing Links
    - The early man
  - 1. Post-independence period
- B. Future of Kenya

Kenya

A country lies across the equator on the east coast of Africa

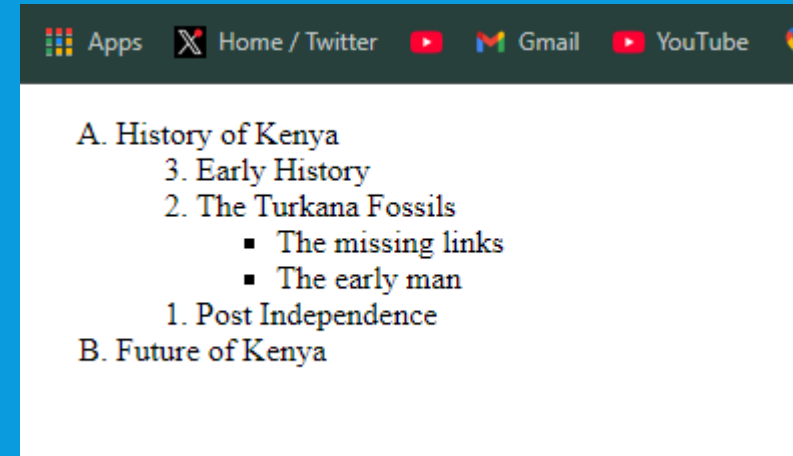
Fossils

The remains of a prehistoric plant or animal embedded in rock.

```
<!DOCTYPE>
<html>
<head>
<History of Kenya
```

# ANSWER: DO THE REST OF THE QUESTION

```
1 <!DOCTYPE html>
2 <head>
3 <title>Ordered and Nested Lists</title>
4 </head>
5 <body>
6
7 <ol type="A">
8 History of Kenya
9 <ol reversed start="3">
10 Early History
11 The Turkana Fossils
12
13 The missing links
14 The early man
15
16
17 Post Independence
18
19
20 Future of Kenya
21
22
23 </body>
24 </html>
25
```



# SUMMARY

- Use the HTML `<ul>` element to define an unordered list
- Use the HTML `style` attribute to define the bullet style
- Use the HTML `<ol>` element to define an ordered list
- Use the HTML `type` attribute to define the numbering type
- Use the HTML `<li>` element to define a list item
- Use the HTML `<dl>` element to define a description list
- Use the HTML `<dt>` element to define the description term
- Use the HTML `<dd>` element to define the description data