

Practice Set

Browser Tools

1. Save Source of **Instagram** in a file and check the render.
2. **Inspect** the likes element on the page and read the code to understand.
3. Change number of likes on Your **Instagram** post
4. **Validate** the page we created in last project.

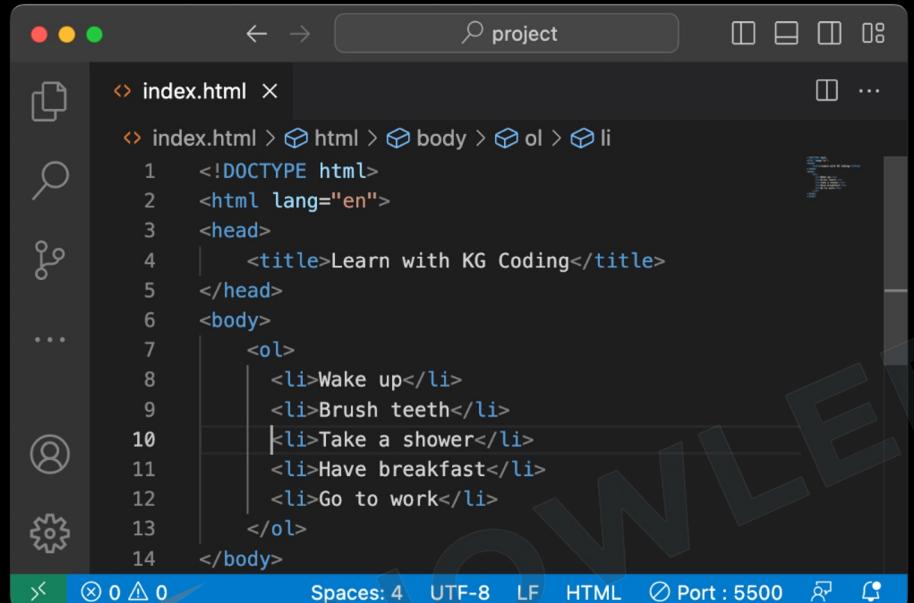


List, Tables & Forms



1. List Tag

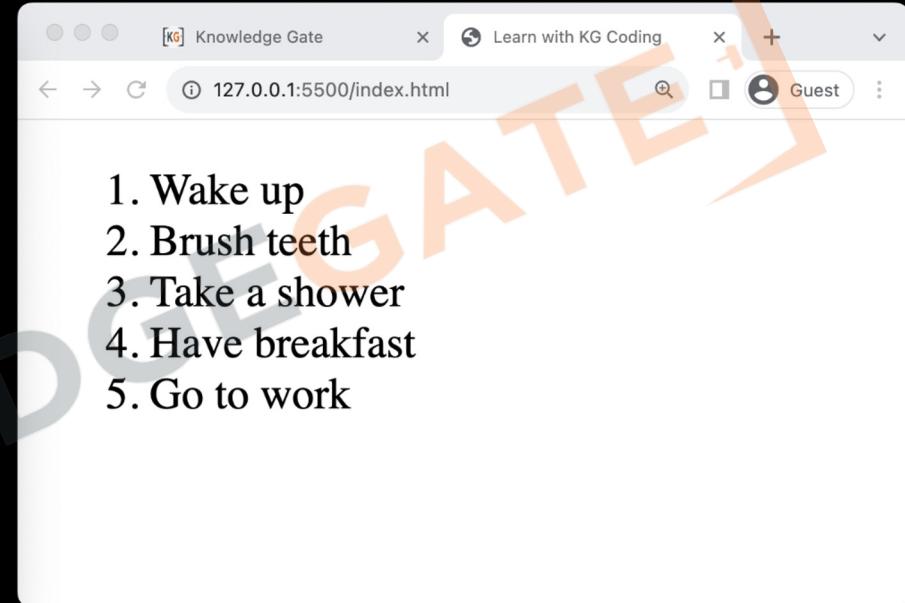
1.1 Ordered Lists



A screenshot of a code editor window titled "index.html". The code displays an ordered list:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Learn with KG Coding</title>
</head>
<body>
    <ol>
        <li>Wake up</li>
        <li>Brush teeth</li>
        <li>Take a shower</li>
        <li>Have breakfast</li>
        <li>Go to work</li>
    </ol>
</body>
```

The editor interface includes a sidebar with icons for file operations, a search bar, and a status bar at the bottom indicating "Spaces: 4" and "Port: 5500".



1. Purpose: Used for creating lists with items that have a specific order.
2. Default: Items are automatically numbered.
3. Nesting: Can be nested within other lists.

1.2 Types of Ordered Lists

Ordered Lists

- **Numeric:** Default type, (1, 2, 3, ...)
Attribute: `type="1"`
- **Uppercase Letters:** (A, B, C, ...)
Attribute: `type="A"`
- **Lowercase Letters:** (a, b, c, ...)
Attribute: `type="a"`
- **Uppercase Roman:** (I, II, III, ...)
Attribute: `type="I"`
- **Lowercase Roman:** (i, ii, iii, ...)
Attribute: `type="i"`

A. Apple
B. Banana
C. Cherry
D. Dragonfruit

a. Apple
b. Banana
c. Cherry
d. Dragonfruit

I. Apple
II. Banana
III. Cherry
IV. Dragonfruit

i. Apple
ii. Banana
iii. Cherry
iv. Dragonfruit

1.3 Unordered Lists

The image shows a code editor on the left and a browser window on the right. The code editor displays the following HTML code:

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <title>Learn with KG Coding</title>
5 </head>
6 <body>
7   <ul>
8     <li>Apple</li>
9     <li>Banana</li>
10    <li>Cherry</li>
11    <li>Dragonfruit</li>
12  </ul>
13 </body>
14 </html>
```

The browser window shows the rendered output:

- Apple
- Banana
- Cherry
- Dragonfruit

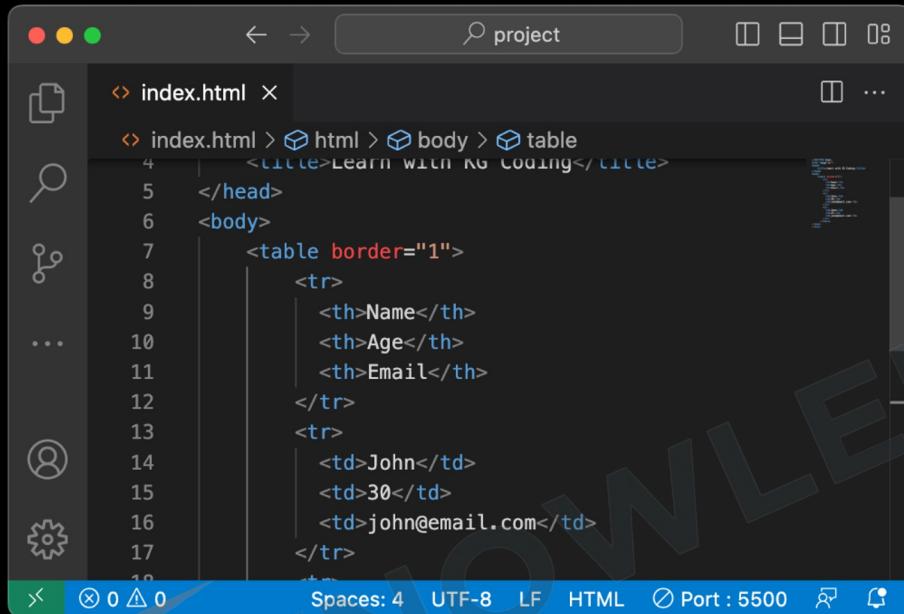
1. Purpose: Used for lists where the order of items doesn't matter.
2. Default: Items are usually bulleted.
3. Nesting: Can be nested within other lists.

List, Tables & Forms

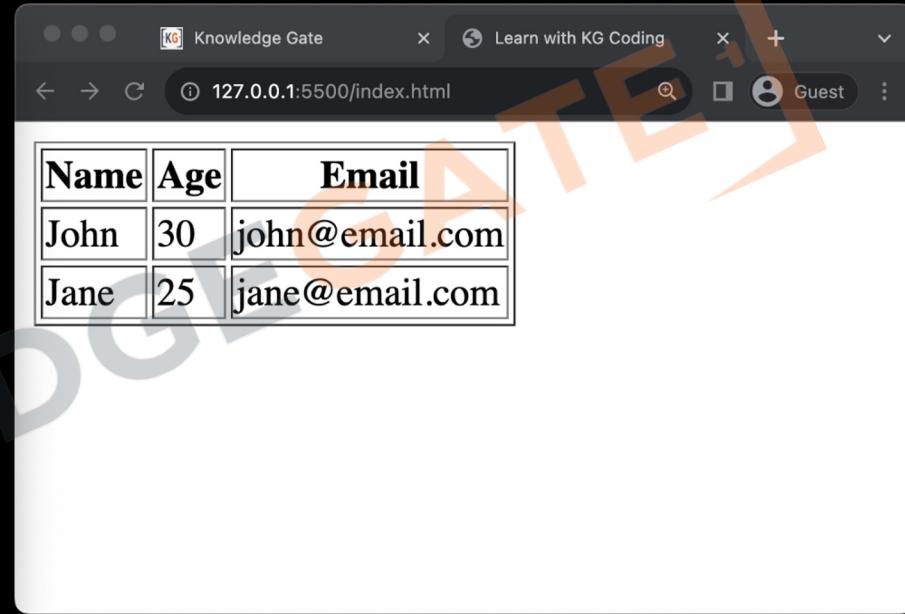


2. Table
Tag

2.1 <tr>, <td>, <th> Tags



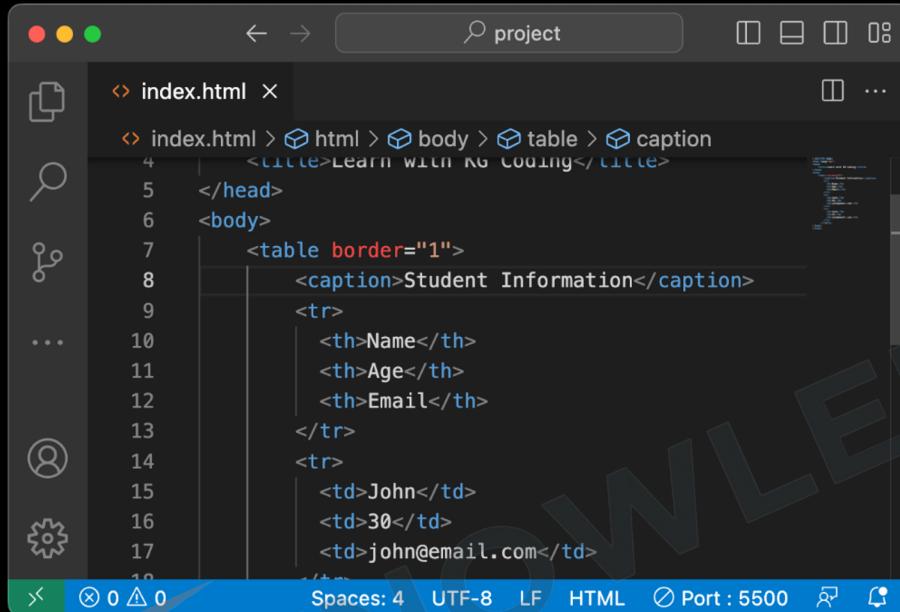
```
<!DOCTYPE html>
<html>
  <head>
    <title>Learn with KG Coding</title>
  </head>
  <body>
    <table border="1">
      <tr>
        <th>Name</th>
        <th>Age</th>
        <th>Email</th>
      </tr>
      <tr>
        <td>John</td>
        <td>30</td>
        <td>john@email.com</td>
      </tr>
      <tr>
        <td>Jane</td>
        <td>25</td>
        <td>jane@email.com</td>
      </tr>
    </table>
  </body>
</html>
```



Name	Age	Email
John	30	john@email.com
Jane	25	jane@email.com

1. **<tr> Table Row** : Used to define a row in an HTML table.
2. **<th> Table Header** : Used for header cells within a row.
Text is bold and centered by default.
3. **<td> Table Data** : This Holds the actual data.

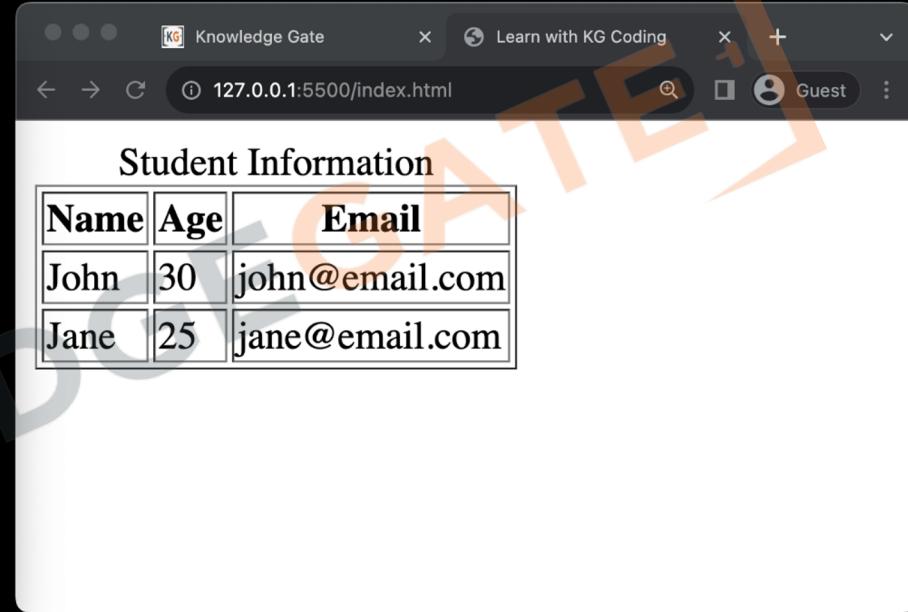
2.2 Captions



The screenshot shows a code editor window with the file 'index.html' open. The code displays a simple HTML structure with a table and a caption:

```
<head><title>Learn HTML Using Python</title>
</head>
<body>
    <table border="1">
        <caption>Student Information</caption>
        <tr>
            <th>Name</th>
            <th>Age</th>
            <th>Email</th>
        </tr>
        <tr>
            <td>John</td>
            <td>30</td>
            <td>john@email.com</td>
        </tr>
    </table>
</body>
```

The code editor interface includes a sidebar with various icons for file operations, a search bar at the top, and a status bar at the bottom indicating 'Spaces: 4', 'UTF-8', 'LF', 'HTML', and 'Port : 5500'.

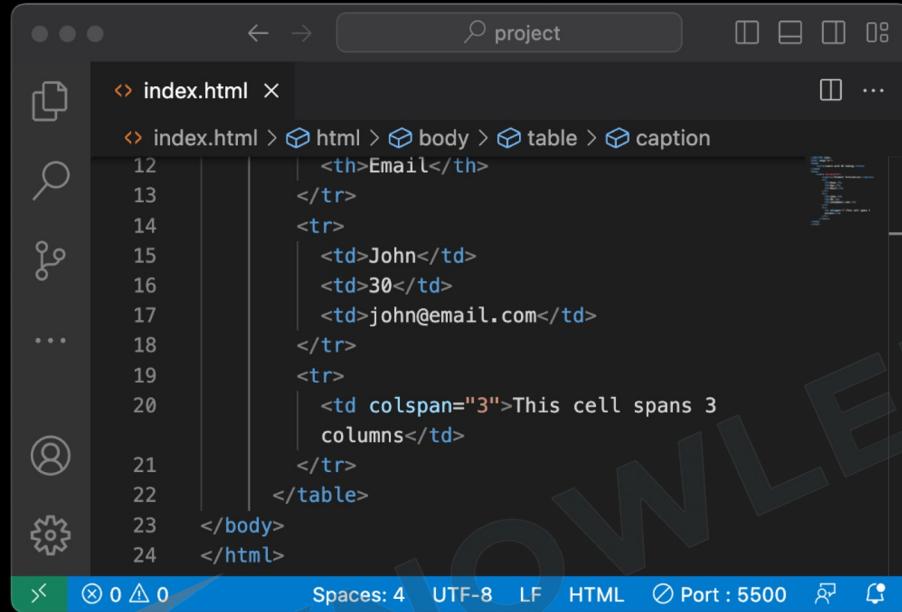


The screenshot shows a web browser window titled 'Knowledge Gate' with the URL '127.0.0.1:5500/index.html'. The page displays a table with the following data:

Name	Age	Email
John	30	john@email.com
Jane	25	jane@email.com

1. **Purpose:** Provides a title or description for a table.
2. **Placement:** Must be inserted **immediately after** the `<table>` opening tag.
3. **Alignment:** **Centered** above the table by default.
4. **Accessibility:** Helps screen readers understand the table's purpose.

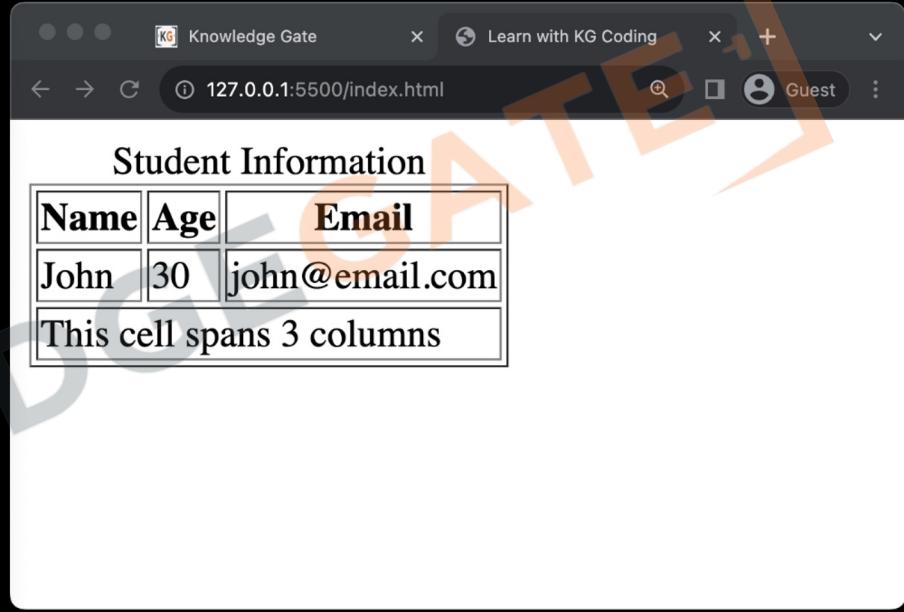
2.3 Col Spans



A screenshot of a code editor window titled "project". The file "index.html" is open, showing the following HTML code:

```
<index.html>
  <html>
    <body>
      <table>
        <caption>Student Information</caption>
        <thead>
          <tr>
            <th>Name</th>
            <th>Age</th>
            <th>Email</th>
          </tr>
        </thead>
        <tbody>
          <tr>
            <td>John</td>
            <td>30</td>
            <td>john@email.com</td>
          </tr>
          <tr>
            <td colspan="3">This cell spans 3 columns</td>
          </tr>
        </tbody>
      </table>
    </body>
  </html>
```

The code editor interface includes a sidebar with icons for file, search, and user, and a bottom bar with file status and encoding information.



A screenshot of a web browser window titled "Knowledge Gate" showing the URL "127.0.0.1:5500/index.html". The page title is "Student Information". The table has three columns: Name, Age, and Email. The first row contains the data "John", "30", and "john@email.com". The second row contains a single cell with the text "This cell spans 3 columns".

Name	Age	Email
John	30	john@email.com
This cell spans 3 columns		

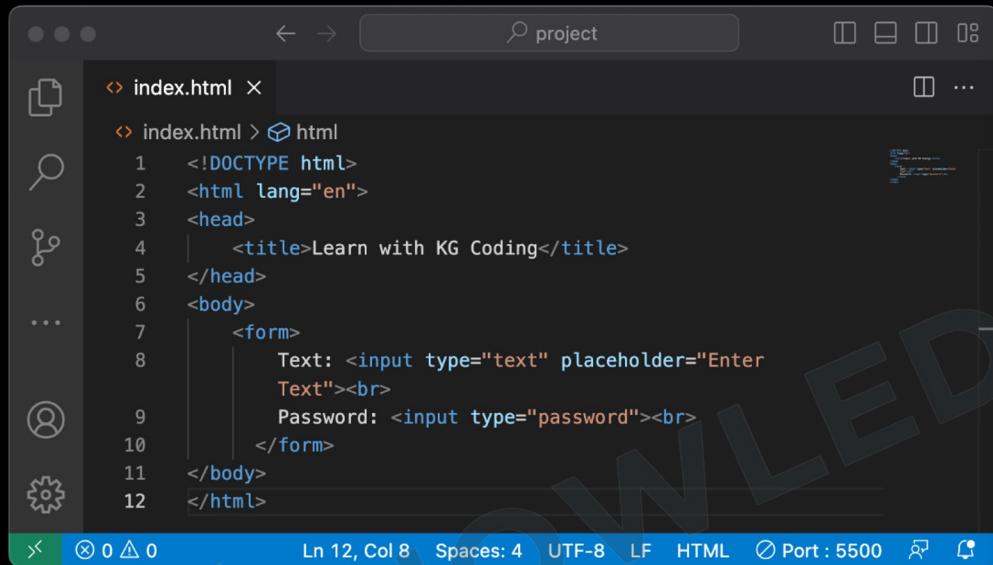
1. **Attribute:** Uses the `colspan` attribute in `<td>` or `<th>` tags.
2. **Purpose:** Allows a cell to **span multiple columns** horizontally.
3. **Alignment:** Takes the space of the **specified number of columns**.
4. **Layout:** Useful for combining cells to create complex table layouts.

List, Tables & Forms



3. Forms

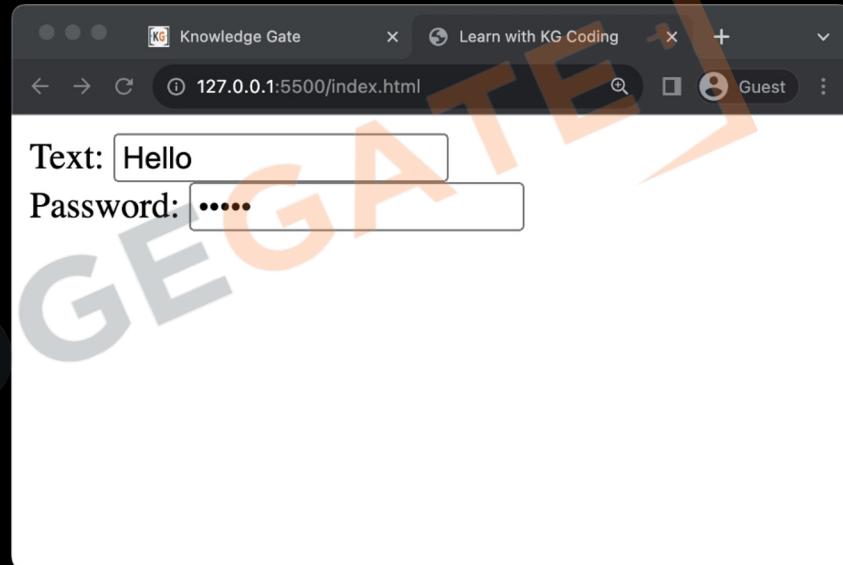
3.1 Input Tag



A screenshot of a code editor window titled "project". The file "index.html" is open, displaying the following HTML code:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Learn with KG Coding</title>
</head>
<body>
    <form>
        Text: <input type="text" placeholder="Enter Text"><br>
        Password: <input type="password"><br>
    </form>
</body>
</html>
```

The code editor interface includes a sidebar with icons for file, search, and user, and a status bar at the bottom showing "Ln 12, Col 8" and "Port : 5500".



1. **Purpose:** Used within a `<form>` element to collect user input.
2. **Self-Closing:** The `<input>` tag is self-closing; doesn't require a closing tag.
3. **Attributes:** Common attributes are `name`, `value`, `placeholder`, and `required`.

3.2 Action attribute

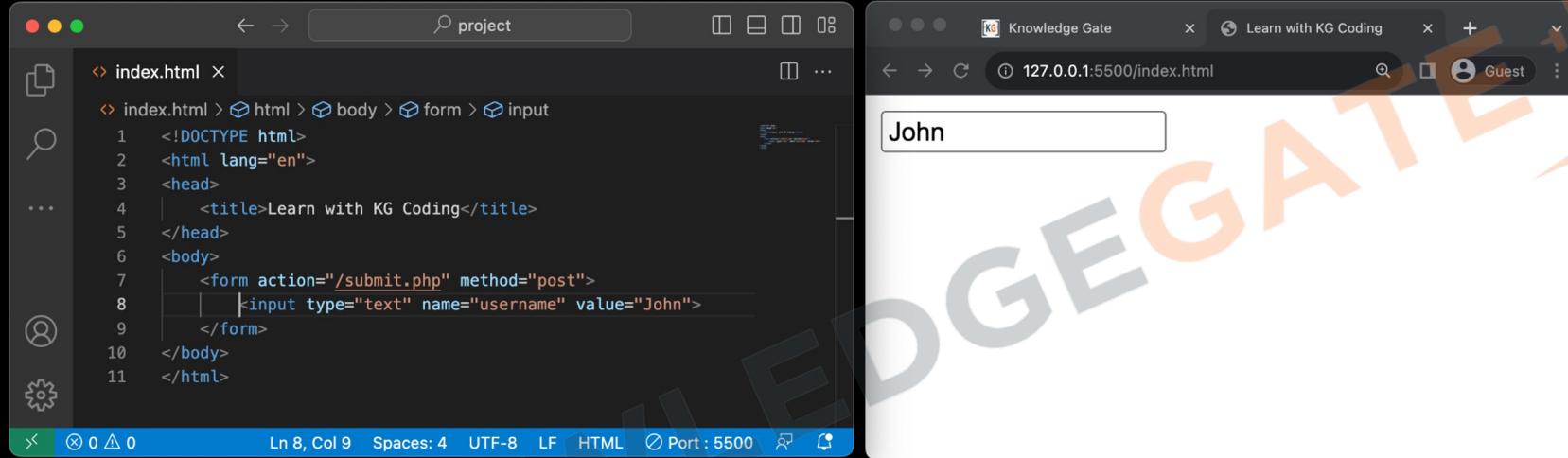
The image shows a code editor on the left and a browser window on the right. The code editor displays the file 'index.html' with the following content:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Learn with KG Coding</title>
</head>
<body>
    <form action="/submit.php" method="post">
        <input type="text" name="name">
        <input type="submit" value="Submit">
    </form>
</body>
</html>
```

The browser window shows the rendered HTML with a text input field and a 'Submit' button.

- Purpose:** Specifies the URL to which the form data should be sent when submitted.
- Default:** If not specified, the form will be submitted to the current page's URL.
- Server-Side:** Usually points to a server-side script (like PHP, Python, etc.) that processes the form data.

3.3 Name and Value property



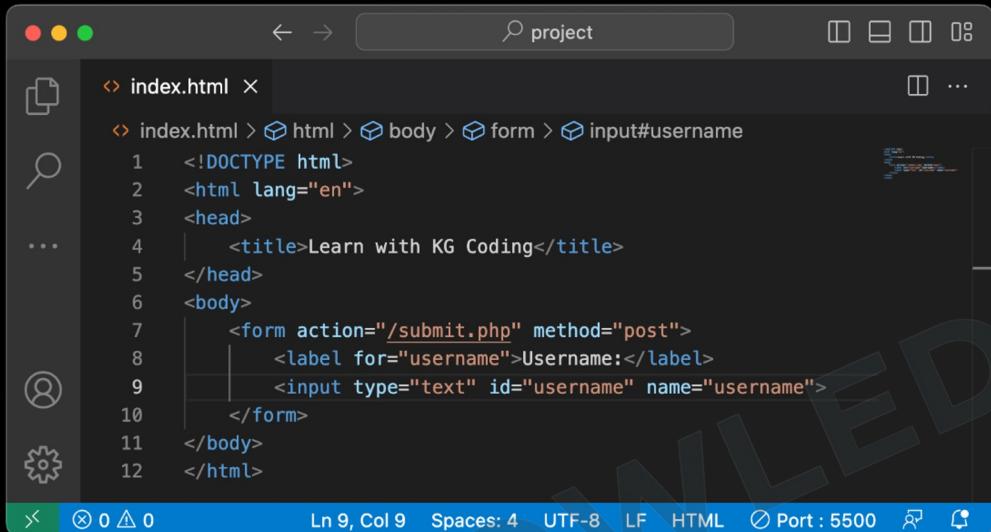
The image shows a code editor on the left and a browser window on the right. The code editor displays the following HTML code:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Learn with KG Coding</title>
</head>
<body>
    <form action="/submit.php" method="post">
        <input type="text" name="username" value="John">
    </form>
</body>
</html>
```

The browser window shows a single input field containing the text "John".

- `name` Property:
 - **ID for Data:** Identifies form elements when submitting.
 - **Unique:** Should be unique to each element for clarity.
- `value` Property:
 - **Default Data:** Sets initial value for input elements.
 - **Sent to Server:** This is the data sent when form is submitted.

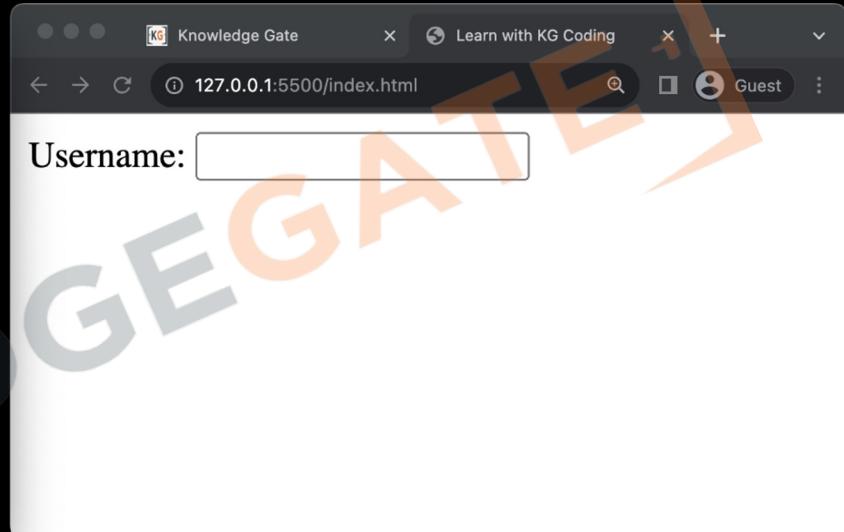
3.4 Label Tag



A screenshot of a code editor window titled "project". The file "index.html" is open, showing the following code:

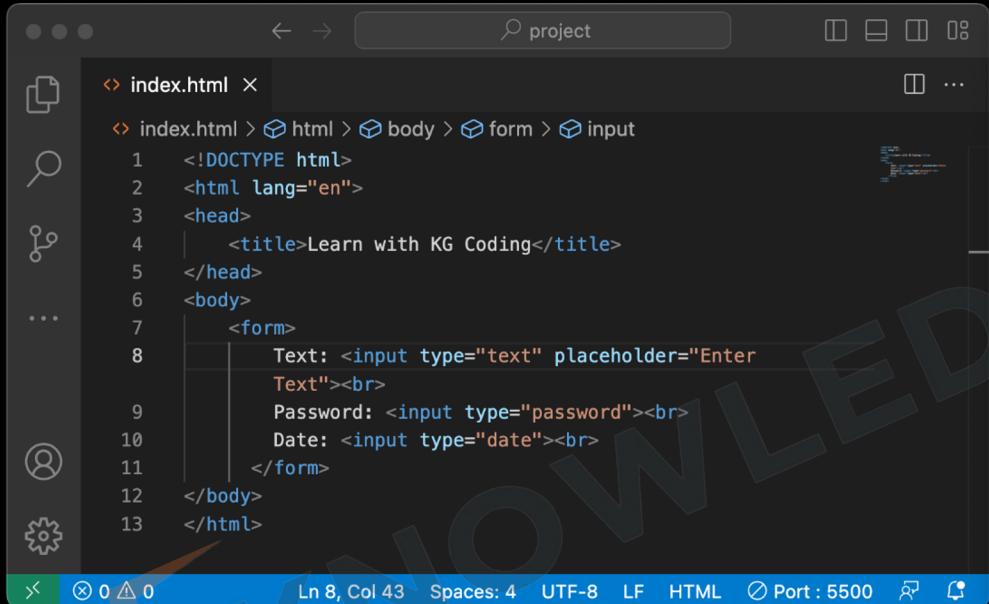
```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Learn with KG Coding</title>
</head>
<body>
    <form action="/submit.php" method="post">
        <label for="username">Username:</label>
        <input type="text" id="username" name="username">
    </form>
</body>
</html>
```

The code editor has a dark theme with light-colored syntax highlighting. A sidebar on the left contains icons for file operations like new, open, save, and search. The status bar at the bottom shows "Ln 9, Col 9" and "Port : 5500".



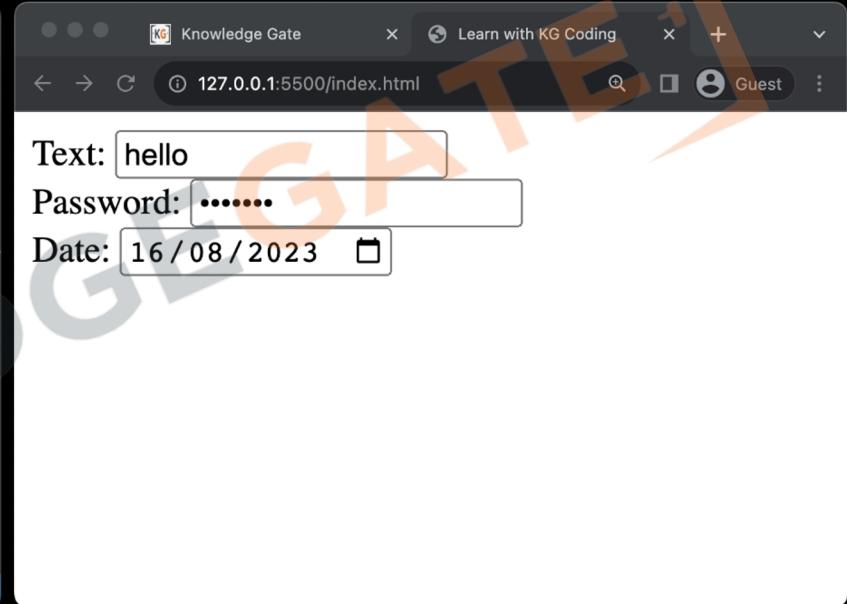
- **Purpose:** Adds a text description to form elements.
- **for Attribute:** Connects the label to a specific **form element** using the element's id.
- **Accessibility:** Makes the form more accessible.
- **Readability:** Enhances form readability and usability.

3.5 Input type: Date



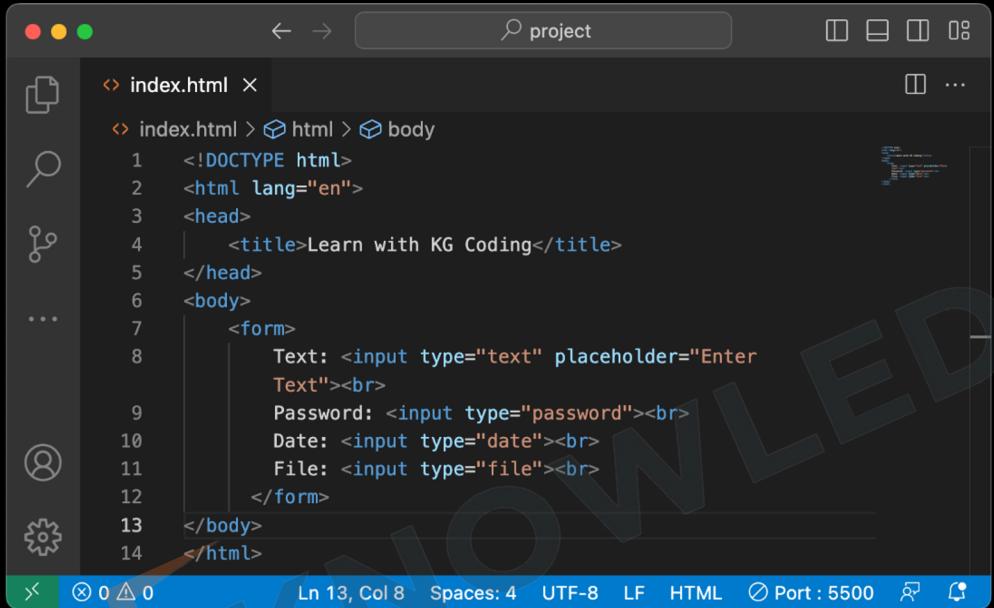
The screenshot shows a code editor interface with a dark theme. On the left, there are various icons for file operations like new, open, save, and search. The main area displays an HTML file named "index.html". The code includes a title, a form containing three input fields (Text, Password, and Date), and some placeholder text. The "Date" input field is highlighted.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Learn with KG Coding</title>
</head>
<body>
    <form>
        Text: <input type="text" placeholder="Enter Text"><br>
        Password: <input type="password"><br>
        Date: <input type="date"><br>
    </form>
</body>
</html>
```



The screenshot shows a web browser window titled "Knowledge Gate" with the URL "127.0.0.1:5500/index.html". The page displays a form with three fields: "Text" (containing "hello"), "Password" (containing "*****"), and "Date" (containing "16/08/2023"). The "Date" field has a small calendar icon to its right.

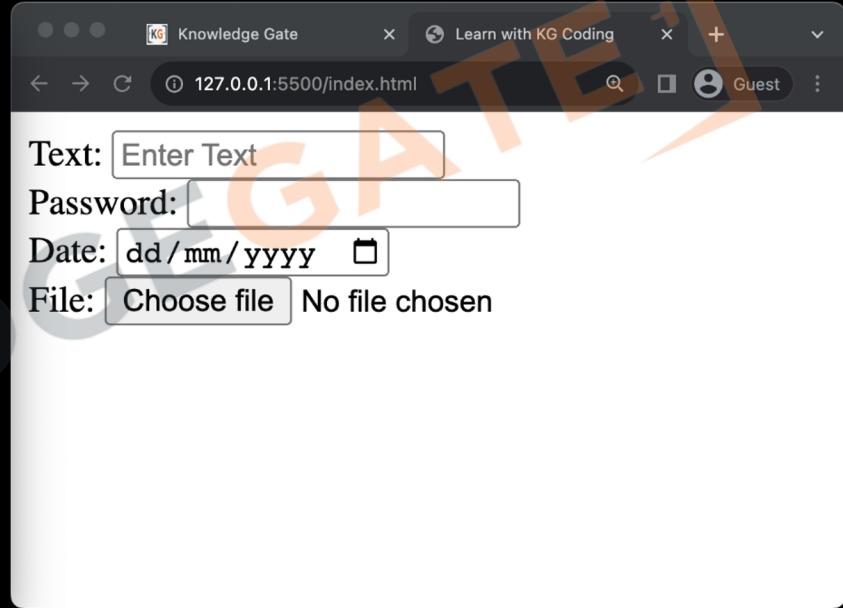
3.5 Input type: File



A screenshot of a code editor window titled "project". The file "index.html" is open, showing the following HTML code:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Learn with KG Coding</title>
</head>
<body>
    <form>
        Text: <input type="text" placeholder="Enter Text"><br>
        Password: <input type="password"><br>
        Date: <input type="date"><br>
        File: <input type="file"><br>
    </form>
</body>
</html>
```

The code editor has a dark theme with light-colored syntax highlighting. A sidebar on the left contains icons for file operations like new, open, save, and search.

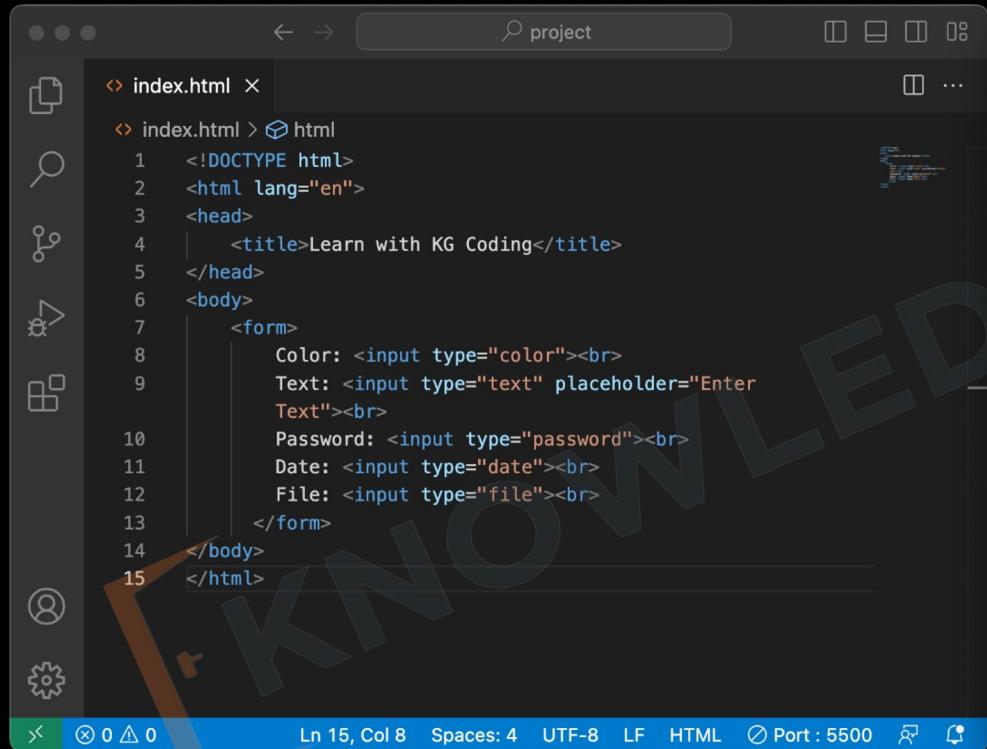


A screenshot of a web browser window titled "Knowledge Gate" showing the URL "127.0.0.1:5500/index.html". The page displays four input fields:

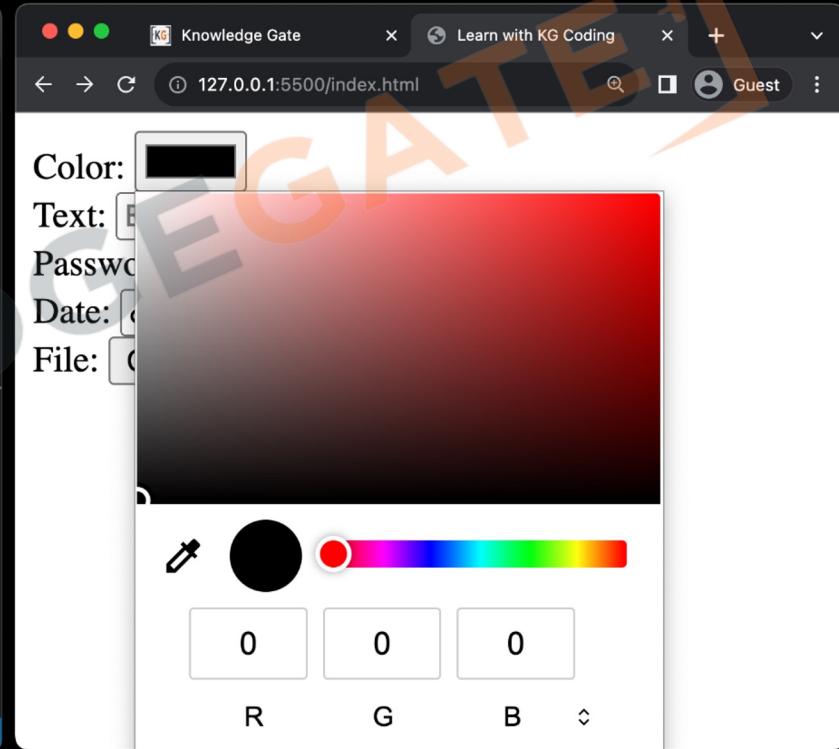
- Text:
- Password:
- Date:
- File: No file chosen

The browser interface includes standard navigation buttons (back, forward, search) and a user profile icon.

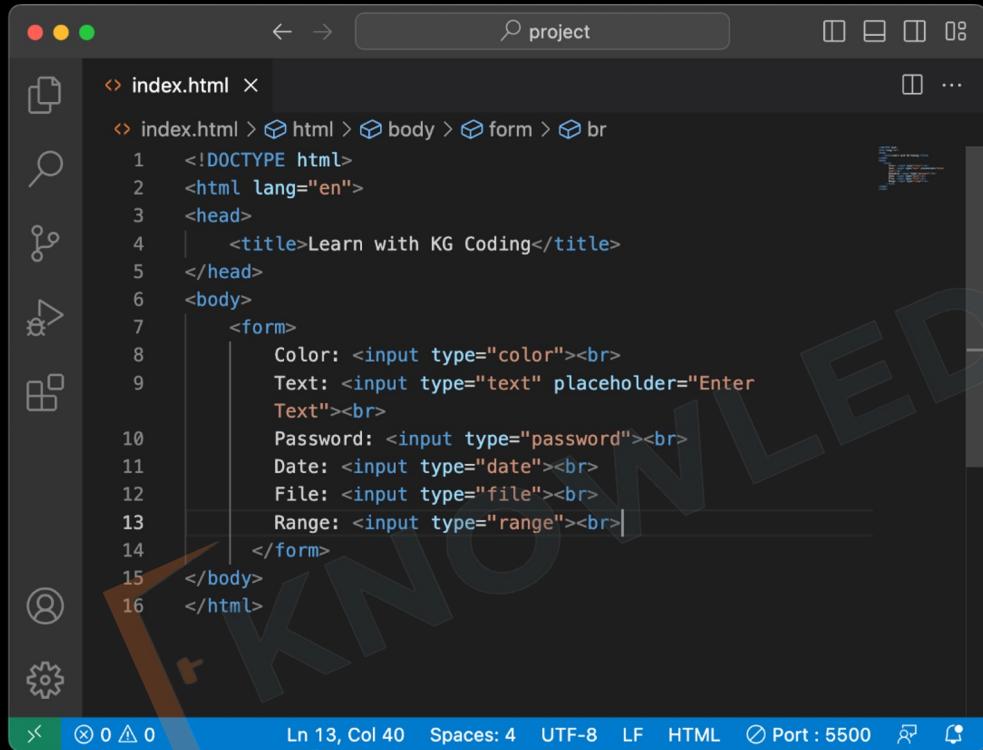
3.5 Input type: Color



```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Learn with KG Coding</title>
</head>
<body>
    <form>
        Color: <input type="color"><br>
        Text: <input type="text" placeholder="Enter Text"><br>
        Password: <input type="password"><br>
        Date: <input type="date"><br>
        File: <input type="file"><br>
    </form>
</body>
</html>
```

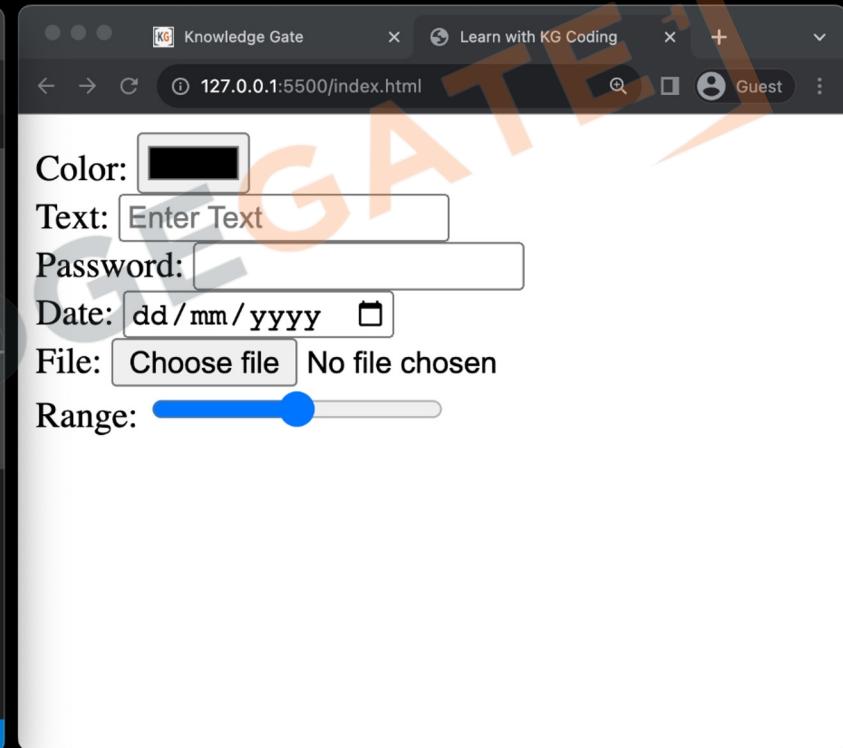


3.5 Input type: Range



```
project
index.html ×
index.html > html > body > form > br
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4    <title>Learn with KG Coding</title>
5  </head>
6  <body>
7    <form>
8      Color: <input type="color"><br>
9      Text: <input type="text" placeholder="Enter Text"><br>
10     Password: <input type="password"><br>
11     Date: <input type="date"><br>
12     File: <input type="file"><br>
13     Range: <input type="range"><br>
14   </form>
15 </body>
16 </html>
```

Ln 13, Col 40 Spaces: 4 UTF-8 LF HTML ⚙️ Port : 5500 ⚙️ 🔍



Knowledge Gate Learn with KG Coding Guest

Color:

Text:

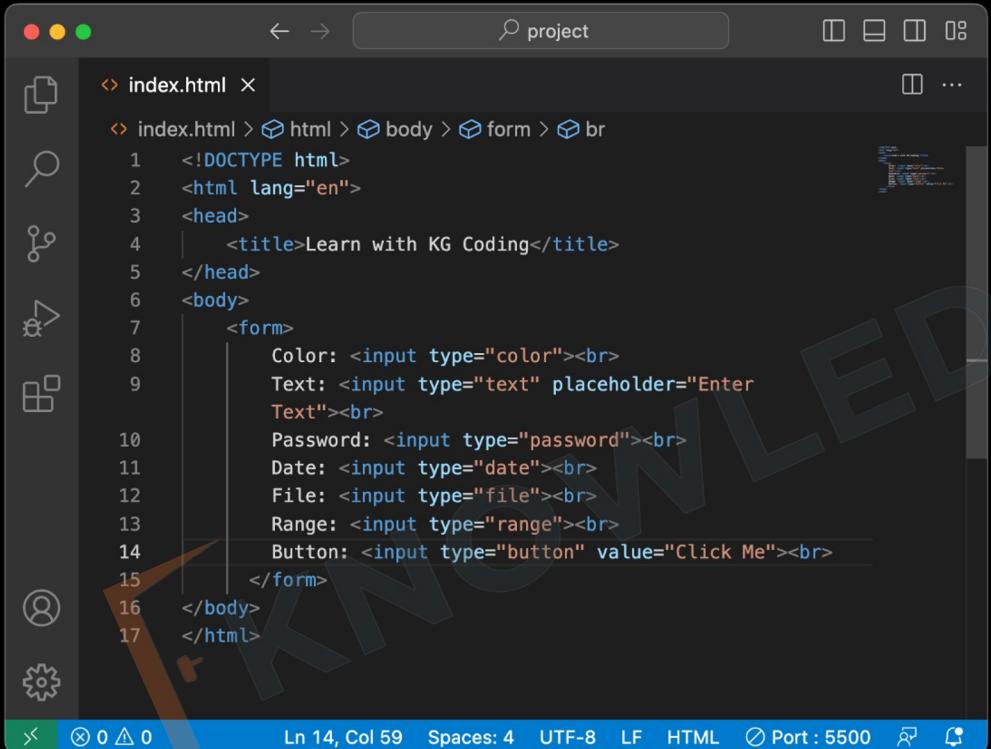
Password:

Date: dd/mm/yyyy

File: Choose file No file chosen

Range:

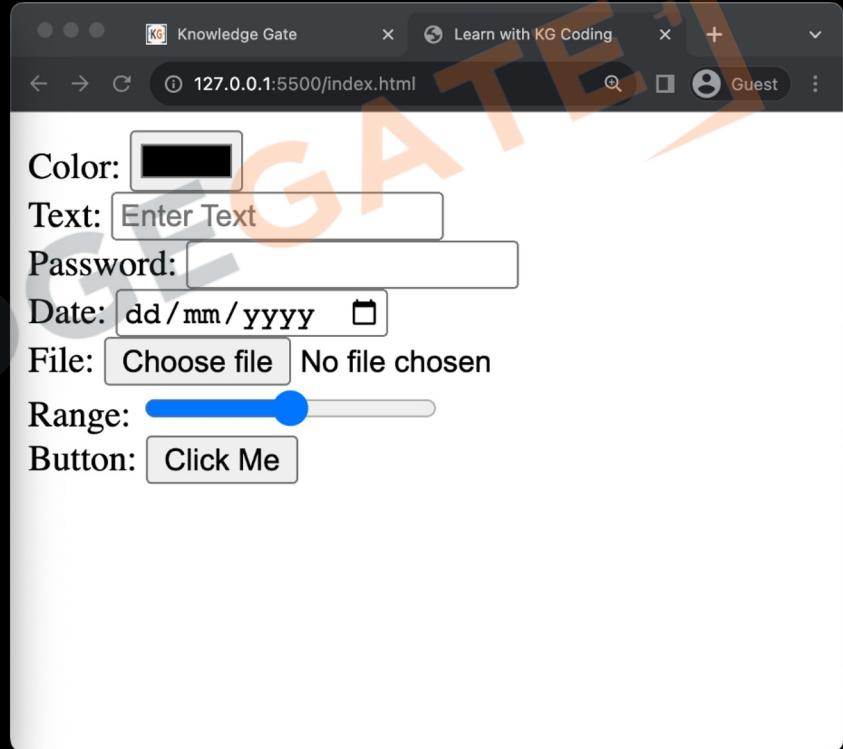
3.5 Input type: Button



A screenshot of a code editor showing the file `index.html`. The code defines a form with several input fields:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Learn with KG Coding</title>
</head>
<body>
    <form>
        Color: <input type="color"><br>
        Text: <input type="text" placeholder="Enter Text"><br>
        Password: <input type="password"><br>
        Date: <input type="date"><br>
        File: <input type="file"><br>
        Range: <input type="range"><br>
        Button: <input type="button" value="Click Me"><br>
    </form>
</body>
</html>
```

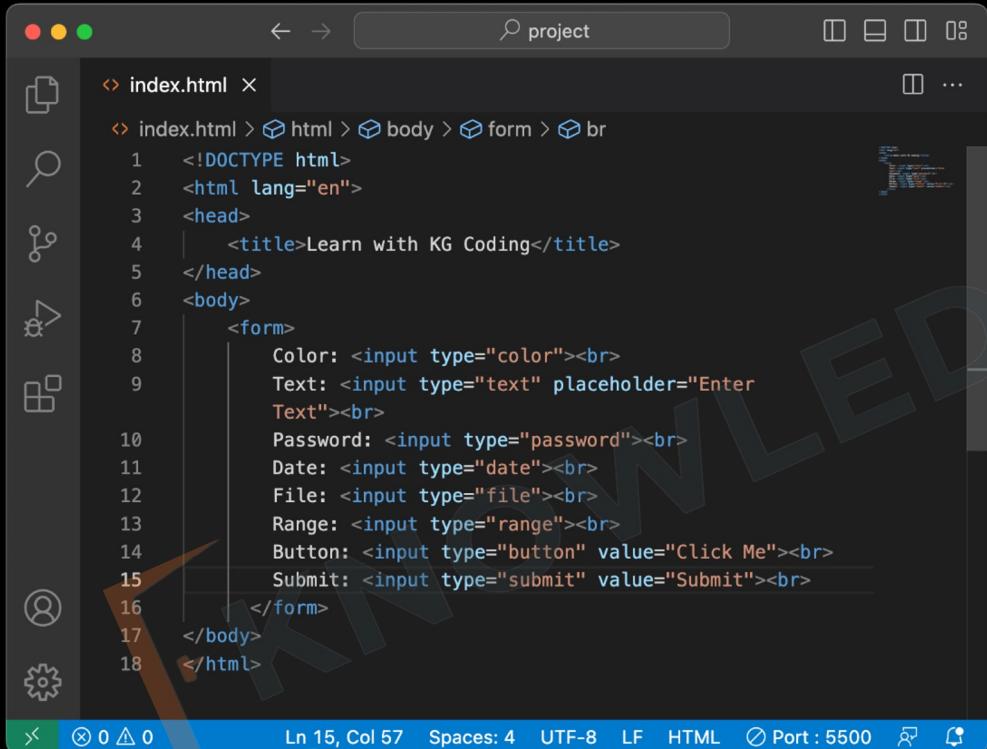
The code editor interface includes a sidebar with icons for file operations, a search bar, and a status bar at the bottom indicating the line and column numbers.



A screenshot of a web browser showing the rendered HTML from the code editor. The page displays the following inputs:

- Color: A color picker input.
- Text: A text input field with placeholder text "Enter Text".
- Password: A password input field.
- Date: A date input field.
- File: A file input field with the label "Choose file" and a message "No file chosen".
- Range: A range input slider.
- Button: A button labeled "Click Me".

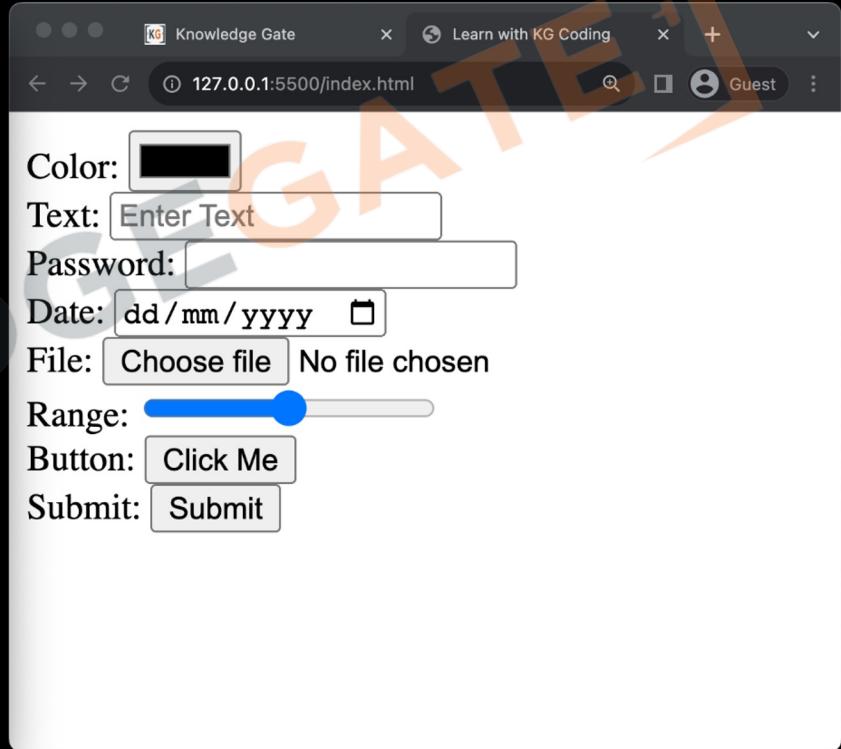
3.5 Input type: Submit



A screenshot of a code editor showing the file `index.html`. The code defines a form with various input fields:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Learn with KG Coding</title>
</head>
<body>
    <form>
        Color: <input type="color"><br>
        Text: <input type="text" placeholder="Enter Text"><br>
        Password: <input type="password"><br>
        Date: <input type="date"><br>
        File: <input type="file"><br>
        Range: <input type="range"><br>
        Button: <input type="button" value="Click Me"><br>
        Submit: <input type="submit" value="Submit"><br>
    </form>
</body>
</html>
```

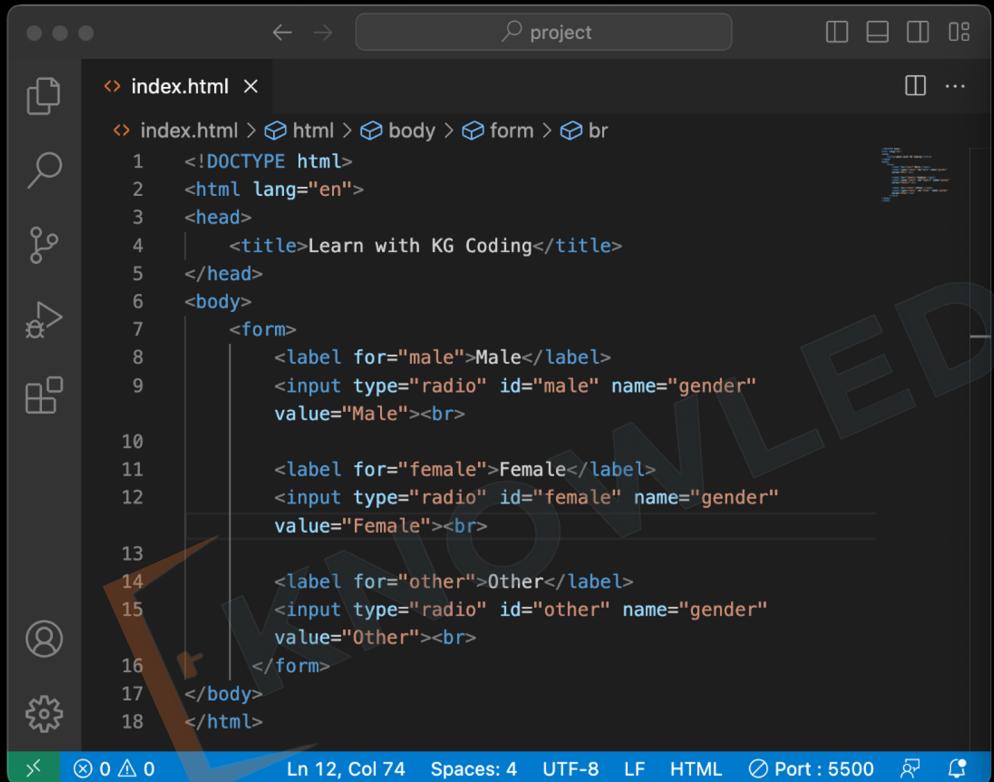
The code editor has a dark theme with icons on the left and a status bar at the bottom.



A screenshot of a web browser showing the rendered form from the code editor. The browser title is "Knowledge Gate". The form contains the following elements:

- Color: A color picker set to black.
- Text: An input field with placeholder text "Enter Text".
- Password: An input field for entering a password.
- Date: An input field for selecting a date in the format dd/mm/yyyy.
- File: An input field for selecting a file, currently showing "No file chosen".
- Range: A horizontal slider (range input) with a blue handle.
- Button: A button labeled "Click Me".
- Submit: A button labeled "Submit".

3.5 Input type: Radio



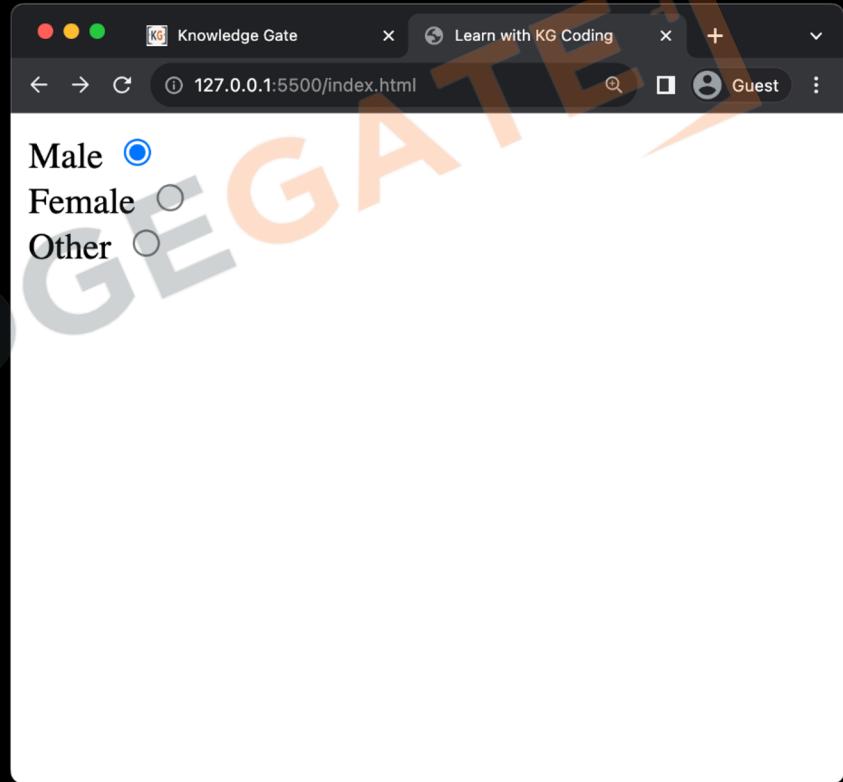
A screenshot of a code editor showing the file `index.html`. The code defines a form with three radio buttons for gender selection:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Learn with KG Coding</title>
</head>
<body>
    <form>
        <label for="male">Male</label>
        <input type="radio" id="male" name="gender" value="Male"><br>

        <label for="female">Female</label>
        <input type="radio" id="female" name="gender" value="Female"><br>

        <label for="other">Other</label>
        <input type="radio" id="other" name="gender" value="Other"><br>
    </form>
</body>
</html>
```

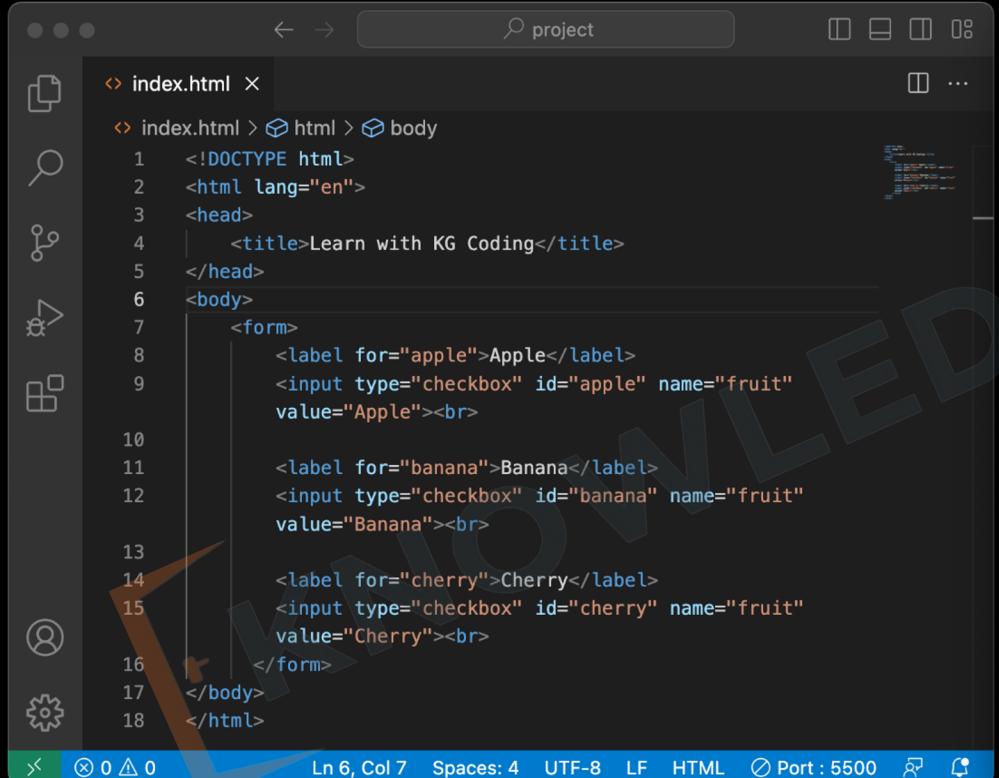
The status bar at the bottom shows the line number as 12, column 74, and other details like spaces, encoding, and port.



A screenshot of a web browser window titled "Knowledge Gate" showing the rendered HTML from the code editor. The page displays three radio button options: "Male" (selected), "Female", and "Other".

Male Female Other

3.5 Input type: Checkbox

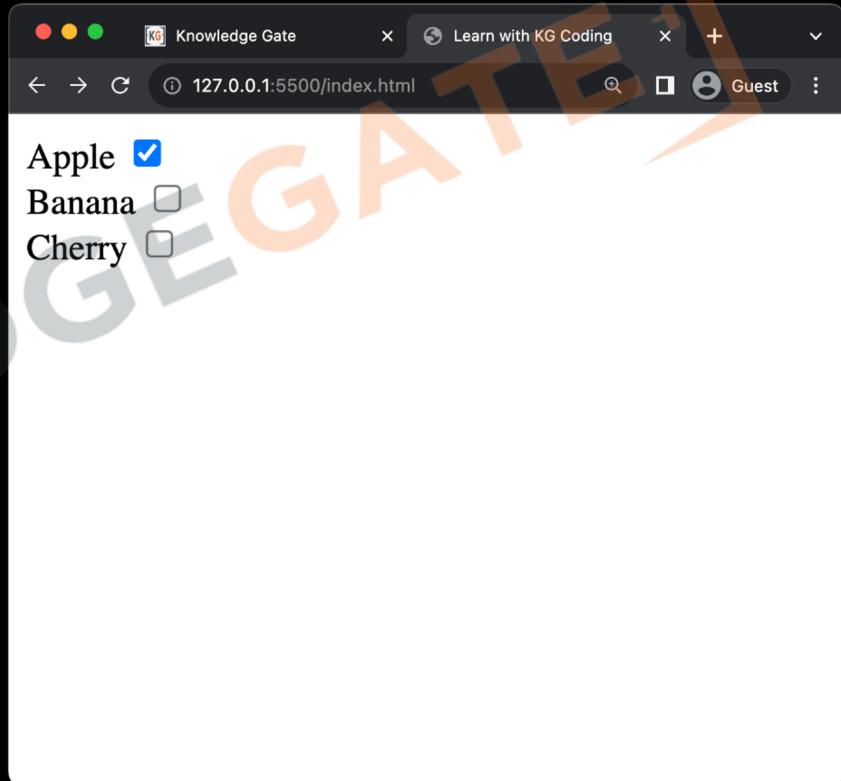


A screenshot of a code editor showing the file `index.html`. The code defines a form with three checkbox inputs, each associated with a fruit label:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Learn with KG Coding</title>
</head>
<body>
    <form>
        <label for="apple">Apple</label>
        <input type="checkbox" id="apple" name="fruit" value="Apple"><br>

        <label for="banana">Banana</label>
        <input type="checkbox" id="banana" name="fruit" value="Banana"><br>

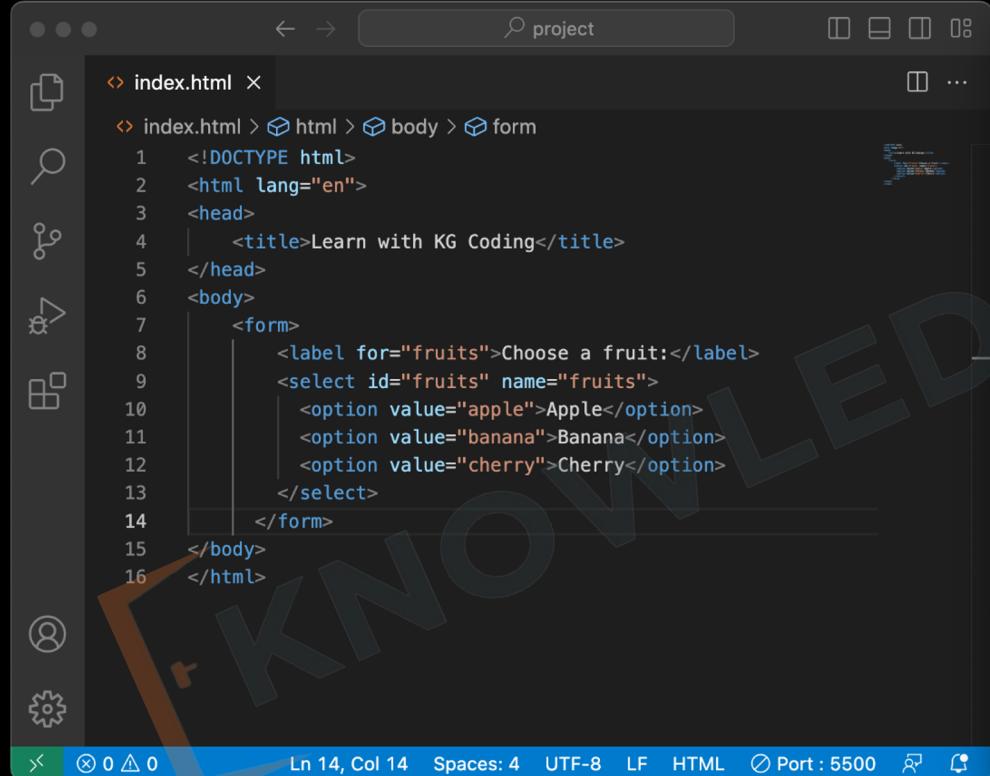
        <label for="cherry">Cherry</label>
        <input type="checkbox" id="cherry" name="fruit" value="Cherry"><br>
    </form>
</body>
</html>
```



A screenshot of a web browser window titled "Knowledge Gate" showing the URL `127.0.0.1:5500/index.html`. The page displays three fruit labels with corresponding checkboxes. The "Apple" checkbox is checked, while "Banana" and "Cherry" are unchecked.

Apple
Banana
Cherry

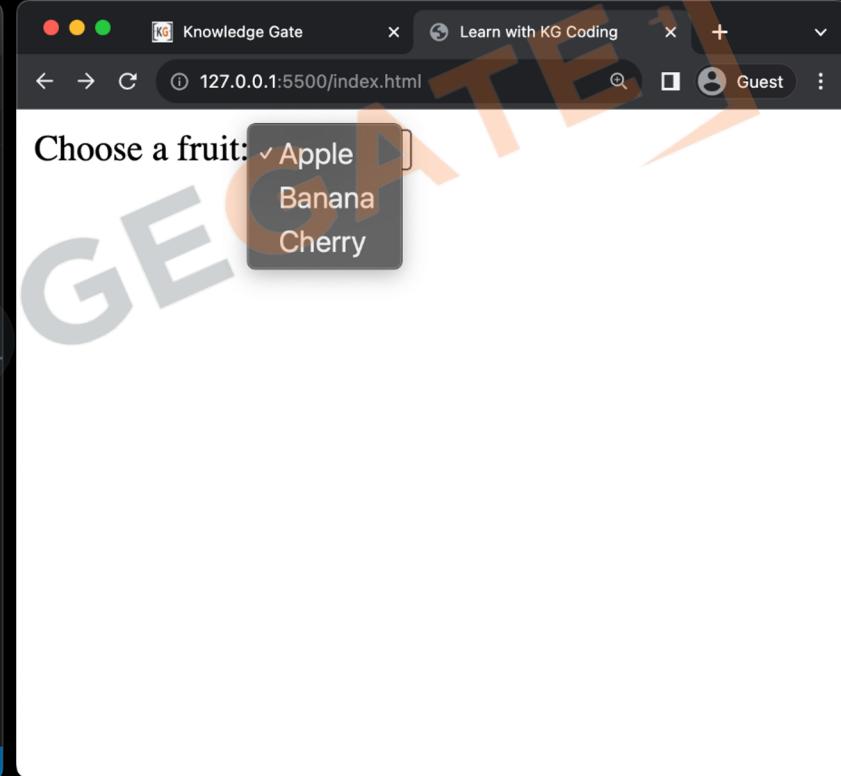
3.5 Input type: Select



A screenshot of a code editor window titled "project". The file "index.html" is open, displaying the following HTML code:

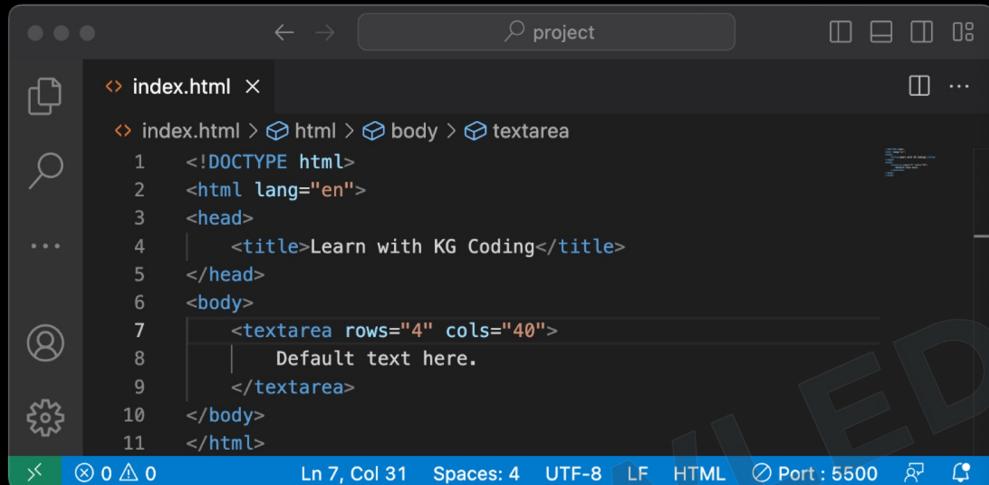
```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Learn with KG Coding</title>
</head>
<body>
    <form>
        <label for="fruits">Choose a fruit:</label>
        <select id="fruits" name="fruits">
            <option value="apple">Apple</option>
            <option value="banana">Banana</option>
            <option value="cherry">Cherry</option>
        </select>
    </form>
</body>
</html>
```

The code editor has a dark theme with various icons in the sidebar and a toolbar at the bottom.



A screenshot of a web browser window titled "Knowledge Gate" with the URL "127.0.0.1:5500/index.html". The page content is "Choose a fruit:" followed by a dropdown menu with three options: "Apple", "Banana", and "Cherry". The "Apple" option is selected, indicated by a checked checkbox icon next to it.

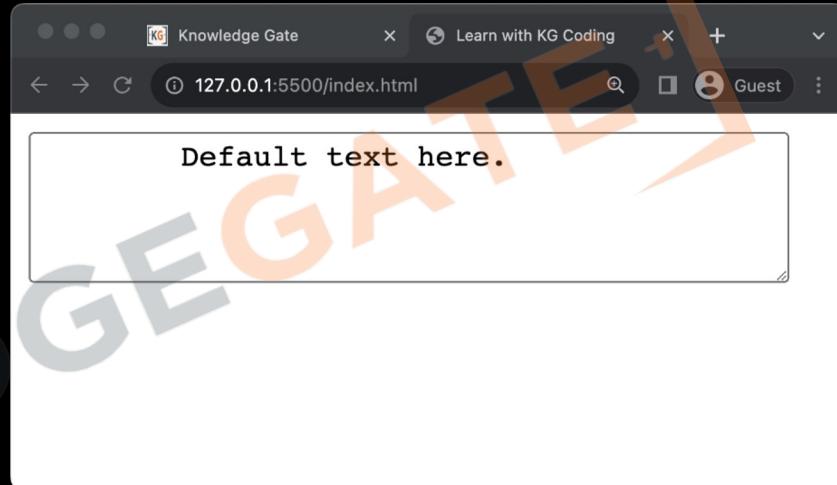
3.5 Input type: TextArea



A screenshot of a code editor window titled "project". The file "index.html" is open, showing the following HTML code:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Learn with KG Coding</title>
</head>
<body>
    <textarea rows="4" cols="40">
        Default text here.
    </textarea>
</body>
</html>
```

The code editor has a dark theme with light-colored syntax highlighting. The status bar at the bottom shows "Ln 7, Col 31" and "Port : 5500".



1. Purpose: `<textarea>` is used for multi-line text input in forms.
 1. **rows Property:** Specifies the visible number of lines in the textarea.
 2. **cols Property:** Sets the visible width measured in average character widths.
2. **Resizable:** Some browsers allow users to manually resize the textarea.

4.GATE¹ iFrame Tag



4.1 Using iFrames

The image shows a code editor on the left and a web browser on the right. The code editor displays the following HTML code:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Learn with KG Coding</title>
</head>
<body>
    <iframe width="300" height="200" src="https://en.wikipedia.org/wiki/Main_Page"></iframe>
</body>
</html>
```

The browser window shows the rendered output of the code, which is a Wikipedia page. The title bar says "Learn with KG Coding" and the address bar says "127.0.0.1:5500/index.html". The main content area displays the Wikipedia logo and the text "Welcome to Wi". A large watermark reading "ACKNOWLEDGED" is diagonally across the center of the image.

1. **Embedded Content:** Allows you to embed another webpage or multimedia content within a webpage.
2. **src Attribute:** Specifies the URL of the content to be embedded.
3. **Dimensions:** Width and height can be set using width and height attributes.

List, Tables & Forms

1. Create a **page** with all type of ordered list and one unordered list.
2. Create a **table** with headings, captions and a few rows. One of heading should take at least 3 columns.
3. Create a **contact me** form with relevant details for your resume website.
4. Use iFrame to add this video to your page.

