

# Practical Workbook

CT-362

## WEB ENGINEERING



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**Batch:** 2021

**Department:** Computer Science and Information Technology

# Practical Workbook

## **Lab # 1**

### **Answer 1**

```
<html>
<head><title>My document</title></head>
<body>This is my web page</body>
</html>
```

### **Answer 2**

#### **Advantages of HTML:**

1. Simple and Easy to Learn: HTML is a straightforward language with easy-to-understand syntax, making it accessible to beginners and non-technical users.
2. Platform Independence: HTML is platform-independent, meaning it can be viewed on any device with a compatible web browser, regardless of the operating system.
3. Integration with Other Technologies: HTML seamlessly integrates with other web technologies such as CSS for styling and JavaScript for interactivity, allowing for the creation of dynamic and visually appealing web pages.

#### **Disadvantages of HTML:**

1. Limited Functionality: HTML primarily focuses on defining the structure of web pages and lacks advanced features such as dynamic content generation and database connectivity.
2. Semantic Limitations: While HTML provides a basic structure for content, it lacks semantic richness, which can make it challenging to convey specific meanings or data relationships.
3. Browser Compatibility Issues: Different web browsers may interpret HTML code differently, leading to inconsistencies in rendering and functionality across various platforms and devices.

## **Lab # 2**

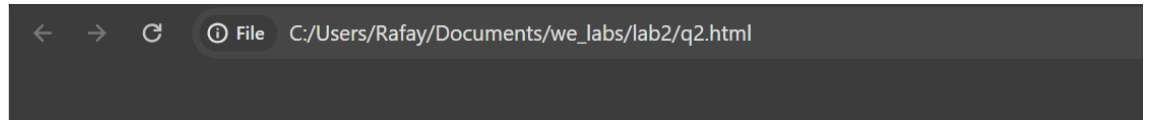
### **Exploring Basic HTML Elements.**

Exercise:

1. Write the HTML tags for :
  - a. A paragraph that is a description of a book, include the title of the book as well as its author. Names and titles should be underlined, italicized and bolded.

```
lab4.html  q1.html x
lab2 > q1.html > html > body > p
2  <html lang="en">
4  <head>
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <title>Book Description</title>
8  </head>
9
10 <body>
11     <p>In this stunning new
12         book, <u><em><strong>"Outliers"</strong></em></u>--the
13         best
14         and the brightest, the most famous and the most successful. He asks the question: what makes
15         high-achievers different?
16
17         His answer is that we pay too much attention to what successful people are like, and too little
18         attention to where they are from: that is, their culture, their family, their generation, and the
19         idiosyncratic experiences of their upbringing. Along the way he explains the secrets of software
20         billionaires, what it takes to be a great soccer player, why Asians are good at math, and what made
21         the Beatles the greatest rock band.
22         <u><em><strong>Malcolm Gladwell
23         </strong></em></u>.
24     </p>
25 </body>
26
27 </html>
```

b) Print two lists with any information you want. One list should be an ordered list and the other should be unordered list.



## Ordered List

1. Apple
2. Banana
3. Orange
4. Grapes

## Unordered List

- Coffee
- Tea
- Milk
- Orange Juice

c. Create a page with a link at the top of it when clicked will jump all the way to the bottom of the page and at the bottom of the page there should be a link to jump back to the top of the page.

```

1 <html lang="en">
2 <head>
3   <meta charset="UTF-8">
4   <meta name="viewport" content="width=device-width, initial-scale=1.0">
5   <title>Top 20 Books of All Time</title>
6   <style>
7     /* Style for the jump links */
8     .jump-link {
9       display: block;
10      text-align: center;
11      margin: 20px 0;
12      color: blue;
13      /* Change link color */
14      text-decoration: none;
15      /* Remove default underline */
16    }
17
18    .jump-link:hover {
19      text-decoration: underline;
20      /* Add underline on hover */
21    }
22  </style>
23 </head>
24
25 <body>
26   <!-- Link to jump to the bottom -->
27   <a href="#bottom" class="jump-link">Jump to Bottom</a>
28
29   <!-- Content of the page -->
30   <h1>Top 20 Books of All Time</h1>
31   <ol>
32     <li><strong>The Sixth Extinction</strong> by Elizabeth Kolbert (2014)<br>An engrossing account of the looming
33       catastrophe caused by ecology's "neighbours from hell" mankind.</li>
34     <li><strong>The Year of Magical Thinking</strong> by Joan Didion (2005)<br>This steely and devastating
35       examination of the author's grief following the sudden death of her husband changed the nature of writing
36       about bereavement.</li>
37     <li><strong>No Logo</strong> by Naomi Klein (1999)<br>Naomi Klein's timely anti-branding bible combined a fresh
38       approach to corporate hegemony with potent reportage from the dark side of capitalism.</li>
39     <li><strong>Birthday Letters</strong> by Ted Hughes (1998)<br>These passionate, audacious poems addressed to

```

- An engrossing account of the looming catastrophe caused by ecology's "neighbours from hell" – mankind.
2. **The Year of Magical Thinking** by Joan Didion (2005)  
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3. **No Logo** by Naomi Klein (1999)  
Naomi Klein's timely anti-branding bible combined a fresh approach to corporate hegemony with potent reportage from the dark side of capitalism.
4. **Birthday Letters** by Ted Hughes (1998)  
These passionate, audacious poems addressed to Hughes's late wife, Sylvia Plath, contribute to the couple's mythology and are a landmark in English poetry.
5. **Dreams from My Father** by Barack Obama (1995)  
This remarkably candid memoir revealed not only a literary talent, but a force that would change the face of US politics for ever.
6. **A Brief History of Time** by Stephen Hawking (1988)  
The theoretical physicist's mega-selling account of the origins of the universe is a masterpiece of scientific inquiry that has influenced the minds of a generation.
7. **The Right Stuff** by Tom Wolfe (1979)  
Tom Wolfe raised reportage to dazzling new levels in his quest to discover what makes a man fly to the moon.
8. **Orientalism** by Edward Said (1978)  
This polemical masterpiece challenging western attitudes to the east is as topical today as it was on publication.
9. **Dispatches** by Michael Herr (1977)  
A compelling sense of urgency and a unique voice make Herr's Vietnam memoir the definitive account of war in our time.
10. **The Selfish Gene** by Richard Dawkins (1976)  
An intoxicating renewal of evolutionary theory that coined the idea of the meme and paved the way for Professor Dawkins's later, more polemical works.
11. **North** by Seamus Heaney (1975)  
This raw, tender, unguarded collection transcends politics, reflecting Heaney's desire to move "like a double agent among the big concepts".
12. **Awakenings** by Oliver Sacks (1973)  
Sacks's moving account of how, as a doctor in the late 1960s, he revived patients who had been neurologically "frozen" by sleeping sickness reverberates to this day.
13. **The Female Eunuch** by Germaine Greer (1970)  
The Australian feminist's famous polemic remains a masterpiece of passionate free expression in which she challenges a woman's role in society.
14. **Awopbopalooobop Alopbamboom** by Nik Cohn (1969)  
This passionate account of how rock'n'roll changed the world was written with the wild energy of its subject matter.

[Jump to Top](#)

[Jump to Bottom](#)

## Top 20 Books of All Time

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An engrossing account of the looming catastrophe caused by ecology's "neighbours from hell" – mankind.
2. **The Year of Magical Thinking** by Joan Didion (2005)  
This steely and devastating examination of the author's grief following the sudden death of her husband changed the nature of writing about bereavement.
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Sacks's moving account of how, as a doctor in the late 1960s, he revived patients who had been neurologically "frozen" by sleeping sickness reverberates to this day.

d. Create some links to various search engines.

```
2 > <> q4.html > html
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <meta charset="UTF-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <title>Search Engines</title>
8 </head>
9
10 <body>
11   <h1>Search Engines</h1>
12   <ul>
13     <li><a href="https://www.google.com/">Google</a></li>
14     <li><a href="https://www.bing.com/">Bing</a></li>
15     <li><a href="https://www.yahoo.com/">Yahoo</a></li>
16     <li><a href="https://www.duckduckgo.com/">DuckDuckGo</a></li>
17     <!-- Add more search engine links as needed -->
18   </ul>
19 </body>
20
21 </html>
```

---

# Search Engines

- [Google](#)
- [Bing](#)
- [Yahoo](#)
- [DuckDuckGo](#)

e. Display an image that when clicked will link to a search engine of your choice and the page should open in a new window.

```
ab2 > q5.html > html
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <head>
5      <meta charset="UTF-8">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <title>Image Link to Search Engine</title>
8  </head>
9
10 <body>
11     <h1>Click the image to search</h1>
12     <a href="https://www.google.com/search?q=supra%20mk3" target="_blank">
13         
15     </a>
16 </body>
17
18 </html>
```

**Click the image to search**



2. Design a form to take input from the user to generate his / her CV.



```
2  <html lang="en">
10 <body>
12   <form action="/submit-cv" method="post">
15
16     <label for="email">Email:</label>
17     <input type="email" id="email" name="email" required><br><br>
18
19     <label for="phone">Phone:</label>
20     <input type="tel" id="phone" name="phone" required><br><br>
21
22     <label for="address">Address:</label>
23     <textarea id="address" name="address" rows="4" required></textarea><br><br>
24
25     <label for="education">Education:</label>
26     <input type="text" id="education" name="education"><br><br>
27
28     <label for="work-experience">Work Experience:</label>
29     <textarea id="work-experience" name="work-experience" rows="4"></textarea><br><br>
30
31     <label for="skills">Skills:</label>
32     <textarea id="skills" name="skills" rows="4"></textarea><br><br>
33
34     <label for="achievements">Achievements:</label>
35     <textarea id="achievements" name="achievements" rows="4"></textarea><br><br>
36
37     <input type="submit" value="Generate CV">
38   </form>
39 </body>
40
41 </html>
```

# CV Generator

Full Name:

Email:

Phone:

Address:

Education:

Work Experience:

Skills:

Achievements:

