

CodeAI Plus

Windows 10 with Office 2019

Also compatible with Office 2016



- | | |
|-------------------------|----------------------------|
| Artificial Intelligence | Multidisciplinary Approach |
| Animated Life Skills | Subject Integration |
| Coding | Art Integration |
| Computational Thinking | Skill Formation |
| Experiential Learning | Linked with SDGs |



Answer Key

SELF-EVALUATION

A. Tick (✓) the correct answer.

- | | | |
|---------------|----------------|----------|
| 1. (b) HTML | 2. (a) <TITLE> | 3. (a) / |
| 4. (a) Inline | 5. (b) margin | |

B. Write 'T' for True and 'F' for False statements.

- | | | |
|----------|----------|---------|
| 1. True | 2. False | 3. True |
| 4. False | 5. True | |

C. Fill in the blanks.

- | | | |
|------------|------------|----------|
| 1. Notepad | 2. DOCTYPE | 3. <WBR> |
| 4. Inline | 5. <LINK> | |

D. Differentiate between the following.

Container Tag	Empty Tag
Tags that have both starting as well as ending are known as container tags.	Tags that have only a starting, and there is no need to close them are called empty tags.

E. Answer in 1-2 sentences.

- <DIV> tag is a tag used for defining a section of our document. We can group a large section of HTML elements together and format them.
- The DOCTYPE declaration at the beginning of our page specifies that the document is written in HTML5.
- There are three ways to define style sheet in HTML document.

F. Answer briefly.

- The three features of HTML are-
 - HTML is not a case-sensitive language.
 - Spaces and tabs can be used anywhere in the document because it does not affect the appearance of the document.
 - HTML document is saved with .htm or .html file extension.
- <BODY> tag of HTML contains the main content of the web page. It is a container element, which includes text, graphics, and other elements.

3. We can add metadata to our page to include extra descriptive information that does not appear in the browser window.

G. Application-based Question

He has to save his file by .htm or .html file extension to open this on web browser.

Page No. 114

ACTIVITY SECTION

ACTIVITY (LAB)

Write the HTML code for the following web page.



```
<!DOCTYPE html>
<html>
  <head>
    <title>Rulers of Delhi Sultanate</title>

    <STYLE>
    H1{text-align:center; color: red}
    H2{text-align:center; color: blue}
    H3{text-align:center}
    H5{text-align:right}
    Body{font-family: Comic Sans MS; background-color:yellow}
    </STYLE>
  </head>
  <body>
    <H1> My First Article </H1>
    <H2> <u> THE RULERS OF DELHI SULTANATE </u> </H2>
    <p> Under the Tomara Rajputs, <b> Delhi first became the capital of a
    kingdom.</b> In the middle of the twelfth century, Tomara Rajputs were
    defeated by the Chauhans of Ajmer. Under the rule of both, Tomaras and
    Chauhans, delhi flourished as an important trading city. Dehliwal coins were
    minted and circulated in day-to-day transactions. Many temples were built by
    rich Jaina merchants who lived there. </p>
    <p> The Delhi Sultanate was founded in the beginning of the thirteen
    century. Under the Delhi Sultanate, Delhi got transformed into a commercial
    capital that controlled vast areas of the subcontinent. </p>
    <p> The Delhi sultans built vast areas in and around the place we now known
    as <b> Delhi.</b></p>

    <h3> <b> The Rulers of Delhi Sultanate </b> </h3>

    <BR> 1130-1145 Ananga Pala
    <BR> 1165-1192 Chauhans
    <BR> 1175-1192 Prithviraj Chauhan
    <BR> 1206-1210 Qutbuddin Aybak
    <BR> 1210-1236 Shamsuddin Iltutmish
    <BR> 1236-1240 Raziyya
    <BR> 1266-1287 Ghiyasuddin Balban
    <BR> 1290-1296 Jalaluddin Khalji
    <BR> 1296-1316 Alauddin Khalji
    <BR> 1320-1324 Ghiyasuddin Tughluq
    <BR> 1324-1351 Muhammad Tughluq
    <BR> 1351-1388 Firuz Shah Tughluq
    <BR> 1414-1421 Khizr Khan
    <BR> 1451-1489 Bahlul Lodi <BR>
    <H5> written by: <BR> Neha </H5>
  </body>
</html>
```

Chapter – 7 [Introduction to HTML and CSS]

Worksheet - 1

Q1. Put your knowledge to the test by choosing the right (✓) option:

1. Which version of HTML is known for being cross-platform compatible?
a. HTML 2.0 ☐ b. HTML5 ☐ c. HTML 4.01 ☐
2. Which tag is used to define the navigation links in HTML5?
a. <links> ☐ b. <nav> ☐ c. <navigate> ☐
3. What does CSS stand for?
a. Computer Style Sheets ☐ b. Cascading Style Scripts ☐ c. Cascading Style Sheets ☐
4. Which of the following is an empty tag?
a. <p> ☐ b. ☐ c. <div> ☐
5. What is the purpose of the <canvas> tag in HTML5?
a. For drawing graphics on the fly ☐ b. For displaying transparent images ☐
c. For creating a navigational map ☐
6. Which CSS property changes the font size of an element?
a. font-style ☐ b. font-weight ☐ c. font-size ☐

Q2. Fill in the blanks:

1. The _____ declaration at the beginning of an HTML document specifies that the document is in HTML5.
2. CSS allows you to control the layout of multiple web pages by externalizing the style to _____ files.
3. In HTML, <a> tags are used for creating _____.
4. The HTML5 _____ tag is used to embed audio content in a webpage.
5. The property used to set the background color in CSS is _____.
6. The <meta> tag in HTML is used to provide _____ about the webpage.

Q3. Write 'T' for true and 'F' for false statements:

1. HTML tags are case-sensitive. ☐
2. In HTML5, <video> and <audio> tags are used to embed media files. ☐
3. CSS can be added directly inside an HTML element using the **style** attribute. ☐
4. The
 tag in HTML needs an end tag. ☐
5. The <header> tag in HTML5 is used exclusively for page headings or titles. ☐
6. External CSS stylesheets increase the webpage loading time significantly. ☐

Chapter – 7 [Introduction to HTML and CSS]

Worksheet – 2

Q1. Answer the following in one word:

1. What is the language used to structure web pages?
2. What is used alongside HTML to style web pages?
3. In HTML, what tag is used to create a hyperlink?
4. What property in CSS is used to change text color?

Q2. Answer the following questions:

1. What is HTML?
.....
.....

2. What are the new features introduced in HTML5?
.....
.....

What is the purpose of CSS in web design?

.....
.....

3. How can you link an external CSS file to an HTML document?
.....
.....

4. What is the difference between class and id selectors in CSS?
.....
.....

5. How do you insert a comment in an HTML document?

.....

.....

Q3. Application-based question:

1. Karan has been assigned to create a website for his school's science fair. He needs to organize the content into various sections like introduction, experiments, results, and contact information. Advise Karan on how he can use the different HTML5 tags such as **<header>**, **<footer>**, **<section>**, and **<article>** to structure his web page content effectively.

.....

.....

the most flexible cloud computing model and allows companies to scale storage, processing power, or bandwidth, up or down as needed.	on demand and typically, on a subscription basis.
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Google Drive	Google Docs
Google Drive is a cloud storage service developed by Google. You can store your files online in Google Drive and can access them from anywhere in the world.	Google Docs is a web-based application provided by Google that allows users to create, edit, and collaborate on documents online.

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Introduction to HTML and CSS

Worksheet – 01

Q1. Put your knowledge to the test by choosing the right option:

1. b 2. b 3. c 4. b 5. a 6. c

Q2. Fill in the blanks:

1. DOCTYPE 2. External 3. Anchor 4. <audio>
5. background-color 6. metadata

Q3. Write 'T' for True and 'F' for false statements.

1. F 2. T 3. T 4. F 5. F 6. F

Worksheet – 02

Q1. Write the answers in 'yes' or 'no':

1. HTML
2. CSS
3. <a>
4. color

Q2. Answer the following questions:

1. HTML (HyperText Markup Language) is a language which is used to make web pages for display on the Internet.

2. The features of HTML are-

a, HTML is not a case-sensitive language. This means that HTML5 commands can either be written in lower case or in upper case.

b. Spaces and tabs can be used anywhere in the document because it does not affect the appearance of the document.

c. HTML document is saved with .htm or .html file extension.

d. HTML document is written in text editors like Notepad, Sublime Text, and Gedit, and word processors like WordPad, Word, and Writer.

3. Cascading Style Sheets is used to change the style of the web page elements. With Cascading Style Sheets or CSS, you write code that allows you to control an element within a single web page or throughout an entire website.

4. We can link an external CSS file to an HTML document by using the <link> tag inside the <head> section, specifying the rel attribute as "stylesheet" and the href attribute with the path to the CSS file:

```
<link rel = "stylesheet" href= "styles.css">
```

5.

Class Selector	ID Selector
It can be applied to multiple elements on a page. It uses period (.) followed by the class name.	It should be unique and applied to only one element per page. It uses hash (#) followed by the ID name.

6. Comment can be added to web page to write a note meant for you. It also helps to update a section of the text and specifies the reasons for using a specific tag.

Q3. Application-based question:

1.

```
<header>
```

```
<h1>Science Fair 2024</h1>
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Science Fair 2024</title>
  <link rel="stylesheet" href="styles.css">
</head>
<body>
  <header>
    <h1>Science Fair 2024</h1>
    <nav>
      <ul>
        <li><a href="#introduction">Introduction</a></li>
        <li><a href="#experiments">Experiments</a></li>
        <li><a href="#results">Results</a></li>
        <li><a href="#contact">Contact</a></li>
      </ul>
    </nav>
  </header>
  <section id="introduction">
    <h2>Introduction</h2>
    <p>Welcome to our school's annual science fair. Here we explore various scientific principles through exciting experiments and projects.</p>
  </section>
  <section id="experiments">
    <h2>Experiments</h2>
    <article>
      <h3>Volcano Eruption</h3>
      <p>Demonstrates a chemical reaction between baking soda and vinegar. </p>
    </article>
    <article>
```

Introduction to HTML5 and CSS

Page 102

TRIAL TRIVIA

Identify the errors in the following HTML code and rewrite the correct code in the given space:

Output



Page 108

TRIAL TRIVIA

Write the HTML code to create the following web page in the given space:

```

Name of Planets.html
File Edit View

<!DOCTYPE html>
<html>
  <head>
    <title>Name of Planets</title>

  <STYLE>
    H1{text-align:center; color: maroon}
    H3{text-align:center; color: green}
    H4{text-align:center; color: navy}
    H5{text-align:center; color: purple}
    H6{text-align:center; color: grey}
    H5{text-align:center; color: purple}
    H4{text-align:center; color: navy}
    H3{text-align:center; color: green}
    H2{text-align:center; color: red}
  </STYLE>
  </head>
  <body>
    <H1>Name of Planets</H1>
    <H3>Mercury</H3>
    <H4>Venus</H4>
    <H5>Earth</H5>
    <H6>Mars</H6>
    <H5>Jupiter</H5>
    <H4>Saturn</H4>
    <H3>Uranus</H3>
    <H2>Neptune</H2>
  </body>
</html>

```