



**SILVER OAK
UNIVERSITY**
EDUCATION TO INNOVATION

Silver Oak University
SILVER OAK COLLEGE OF COMPUTER APPLICATION
DEPARTMENT OF BACHELOR OF SCIENCE

HTML Markup for Web Designers

Course Code: 4040243136
1st semester

**Laboratory
Manual**

Collage Name :	<i>SOCCA</i>
Enroll. No. / Roll No. :	<i>2404030400091</i>
Name of Student:	<i>Dagli nidhi P.</i>
Branch :	<i>B.Sc (CS. IT)</i>
Semester :	<i>1</i>
Division:	<i>B</i>



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VISION:

To be recognized in academia for delivering exceptional education and pioneering research that fosters advancement and growth in the field of computer application.

MISSION:

1. To deliver value-driven education coupled with practical skill development to foster responsible and productive citizenship.
2. To lead groundbreaking research endeavours aimed at addressing and surmounting the diverse challenges encountered within the realm of computer applications.
3. To collaborate with various society, industries and governmental entities to cultivate a vibrant scientific and cultural landscape that elevates the overall quality of life within the region.



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Program Educational Objectives (PEO):

PEO1: To provide the fundamentals of science, mathematics, electronics and computer science and engineering and skills necessary for a successful CE/ IT professional.

PEO2: To provide scope to learn, apply skills, techniques and competency to use modern engineering tools to solve computational problems.

PEO3: To enable young graduates to adapt to the challenges of evolving career opportunities in their chosen fields of career including higher studies, research avenues, entrepreneurial activities etc.

PEO4: To inculcate life-long learning aptitude, leadership qualities and teamwork ability with sense of ethics for a successful professional career in their chosen field.



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PROGRAM OUTCOMES (POs)

Bachelor of Computer Application Graduates will be able to:

1. **Computational Knowledge:** Apply knowledge of computing fundamentals, computing specialization, mathematics, and domain knowledge appropriate for the computing specialization to the abstraction and conceptualization of computing models from defined problems and requirements.
2. **Problem analysis:** Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
6. **Societal and Environmental Concern:** Understand and assess societal, environmental, health, safety, legal, and cultural issues within local and global contexts, and the consequential responsibilities relevant to professional computing practice.
7. **Professional Ethics:** Understand and commit to professional ethics and cyber regulations, responsibilities, and norms of professional computing practice.
8. **Individual and Teamwork:** Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary environments.
9. **Communication Efficacy:** Communicate effectively with the computing community, and with society at large, about complex computing activities by being able to comprehend and write effective reports, design documentation, make effective presentations, and give and understand
10. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
11. **Innovation and Entrepreneurship:** Identify a timely opportunity and using innovation to pursue that opportunity to create value and wealth for the betterment of the individual and society at large.
12. **Life-long learning:** Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.



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PREFACE

HTML MARKUP FOR WEB DESIGNERS PRACTICAL BOOK

COLLEGE OF COMPUTER APPLICATION

It gives us immense pleasure to present the first edition of the "HTML MARKUP FOR WEB DESIGNERS Practical Book" for the BSC (CS-IT) 1st-sem students of Silver Oak College of Computer Application.

The HTML MARKUP FOR WEB DESIGNERS theory and laboratory course at Silver Oak College of Computer Application, Ahmedabad, is designed in such a way that students develop a fundamental understanding of the subject in theory classes and gain hands-on practical experience during their laboratory sessions. This Lab Manual has been crafted to expose students to various types of programs and techniques. The difficulty level of the programs increases with each subsequent practical, allowing students to gradually build their skills and confidence.

Students will have the opportunity to use a diverse set of instructions and technologies. This manual covers not only the practical exercises suggested in the Silver Oak University syllabus but also includes various programs that have been featured in examinations. This comprehensive approach will help students recall the theoretical knowledge acquired during lectures and apply it effectively in practical scenarios. In this way, the manual bridges the gap between theory and practice, reinforcing the understanding of key concepts.

We acknowledge the authors and publishers of all the resources we consulted while developing this Practical Book. We hope this "Office Automation Practical Book" will effectively serve the educational purposes for which it has been developed.

Lab Manual Prepared by: Prof. Meghna Panara



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HTML MARKUP FOR WEB DESIGNERS PRACTICAL BOOK

Department of Computer Science

PREFACE

It gives us immense pleasure to present the first edition of **Html markup for web designers** Practical Book for the BSC. 1ST year students for **SILVER OAK UNIVERSITY**.

The **Html markup for web designers** theory and laboratory course at **Silver Oak University, Ahmadabad** is designed in such a way that students develop the basic understanding of the subject in the theory classes and gain hands-on practical experience during their laboratory sessions. The Lab Manual has been designed in such a way that students will get exposure to different kinds of programs. Difficulty level of programs is increased with each subsequent practical. Students will get an opportunity to use various set of instructions. It will surely help students to recall the theoretical knowledge acquired during lectures and apply it for practical execution of practical. In a way it will draw analogies between theory and practical and will strengthen the understanding of various topics. We acknowledge the authors and publishers of all the books which we have consulted while developing this Practical book. Hopefully this **Html markup for web designers** Practical Book will serve the purpose for which it has been developed.

Lab Manual By: Prof. Meghna Panara , College of Computer Application.

Lab Manual No. : SOCCA_4040243136_LM_1



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Instructions to Students

1. Be prompt in arriving at the laboratory and always come well prepared for the experiment.
2. Work quietly and carefully.
3. Students are instructed to verify your file on a regular basis with the respective faculty member.
4. Students have to compulsory bring this note book in every lab session; else they will not allow attending the lab.
5. Every student should have his/her individual copy of the Html markup for web designers Practical Book.
6. Basic knowledge regarding open source technologies is required during the lab session.
7. Every student has to prepare the notebooks specifically reserved for the Html markup for web designers Practical work named "**Html markup for web designers Practical Book**".
8. Every student has to necessarily bring his/her Html markup for web designers Practical Book and Html markup for web designers Practical Final Notebook, when he/she comes to the practical to perform the experiment.
9. Record your observations honestly. Never makeup reading or doctor them to get a better fit on the code and diagram or to produce the correct result. Display all your observations on the outputs (If applicable).
10. All the observations have to be neatly recorded in the Html markup for web designers Practical Class Notebook and verified by the instructor before leaving the laboratory.
11. If some of the code appears to be wrong then repeat and debug the set of observations carefully.
12. Do not share your output with your fellow student. Every student has to produce his/her own set of output by performing the experiment separately.
13. After debugging and verification of the output observations, do the note down in the Html markup for web designers Practical Class Practical Book and produce the desired results and get them verified by the instructor.
14. Find the answers of all the questions mentioned under the section 'Find the Answers' at the end of each experiment in the Html markup for web designers Practical Book.
15. Finally write down the Conclusion/ outcome along with the output and results in the Html markup for web designers Practical Notebook.
16. Do not forget to get the information of your next allotment (the experiment which is to be performed by you in the next laboratory session) before leaving the laboratory from the respective faculty.
17. The grades for the Html markup for web designers Practical coursework will be awarded based on your performance in the laboratory, regularity, recording of experiments in the Html markup for web designers Practical Final Notebook, lab quiz, regular viva-voce and end-term examination.



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CERTIFICATE

This is to certify that

Mr. /Ms Darji Nidhi P

With enrollment no 2404030400091 from

*Semester I Div. B has Successfully completed his/her laboratory experiments in the **Html markup for web designers (4040243136)** from the department of*

B.Sc (CCS. IT) during the academic year 2024-25.

Date of Submission: _____

Staff In charge: _____

Head of Department



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EDUCATION TO INNOVATION

TABLE OF CONTENT

Sr No.	Experiment Title	Page No.		Date of Start	Date of Completion	Sign	Marks (out of 10)
		From	To				
1.	Create and save simple HTML document & modifying the 1. background of HTML 2. Webpage with different colors.	1	2	7/8	9/8		
2.	Demonstrate use of 1. subscript, 2. super script, 3. align tag and 4. Format the text by using formatting tags like bold and italic.	3	6	14/8	16/8	<i>SL</i>	
3.	Draw the table as given format	7	9	21/8	21/8		
4.	Create web page using metadata & <!DOCTYPE html> tag.	11	12	23/8	23/8		
5.	Create a Web page to display basic your resume	13	14	28/8	23/8		
6.	Show the use of all tags and attributes of 1. ordered list 2. unordered list.	15	17	29/8	29/8		



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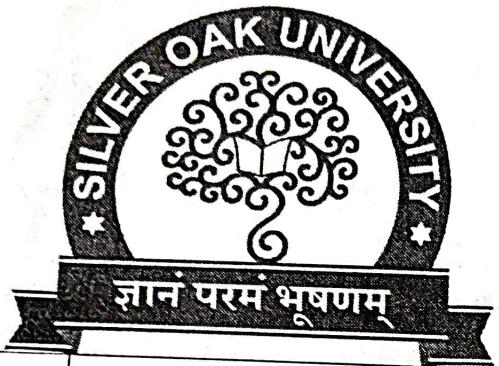
7.	Create webpage which shows the use of hyperlink.	19	20	4/9	4/9			
8.	Show the use of all tags related to images.	21	22	6/9	6/9			
9.	<p>Create a webpage and use the following TAG to perform operation.</p> <ol style="list-style-type: none">1. Create a simple table with at least three rows and three columns.2. Use the <table>, <tr>, <th>, and <td> tags.3. Add a caption to the table created above using the <caption> tag.4. Add a border to your table using the border attribute in the <table> tag.5. Align the content of your table cells using the align and valign attributes.6. Change the background color of your table and its cells using the bgcolor attribute.7. Use the cellpadding and cellspacing attributes to adjust the spacing inside and between the table cells.8. Create a nested table by inserting one table inside another table's cell.	29	24	21/9	25/9			



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10.	Create a webpage and use the following TAG to perform operation. 1. Use the <frameset> tag to create a webpage with two frames. 2. Use the <frame> tag to define the content of each frame. 3. Specify different attributes like border, frameborder, framespacing, and marginwidth for the frames. 4. Set the width and height of the frames using the cols and rows attributes in the <frameset> tag. 5. Create a navigation menu in one frame and display the corresponding content in another frame using the target attribute in the <a> tag.	24	25	27/9	11/10	
11.	Create a webpage for online Jewellery shopping. 1. Display Menu in left frame. 2. Clicking on menu should display related webpage in right frame. 3. Keep header and footer frames to display related information.	26	27	26/10	25/10	
12.	Create web page for register online exam form filling process.	26	30	27/10	27/10	
13.	Create a Web page to display your resume.	28	35	1/11	1/11	



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14. Show the use of all tags and attributes of ordered list and unordered list.

36	38	6/11	6/11	B	
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Silver Oak College Of Computer Applications

Bachelor of Computer Science

LAB / ASSIGNMENT PERFORMANCE ASSESSMENT

Name:				Batch:	BSC(CS-IT)	
Sub:	Html markup for web designers			Semester:	1st	
Criteria						
A	Submission on time (2marks)					
B	Representation (File + Handwriting + Diagram (3 Marks))					
C	Reference used (Assignment) / Attentivity (Lab) (2Marks)					
D	Clarity of topics (3 Marks)					
Criteria of Marks	Not matched (1 Marks) / Matched (2Marks)					
Sr. No.	Marks					Remarks
	A	B	C	D	Marks out of 10	
1.						
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						



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11.							
12.							
13.							
14.							



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EXPERIMENT NO: 1

Aim: Create and save simple HTML document & modifying the

1. background of HTML
2. Webpage with different colors.

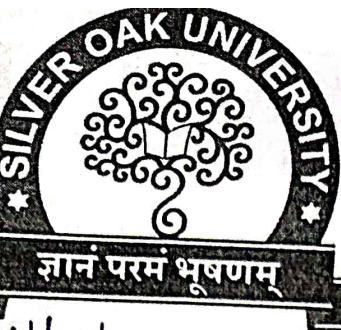
Description:

In this practical, we created a basic HTML document and applied CSS to change the background color of the webpage. Additionally, we used CSS properties to modify the color of different webpage elements like headers and paragraphs. This demonstrates the basic concept of styling HTML elements using CSS.

Procedure:

```
<!DOCTYPE html>
<html>
<head>
<title> WebPage </title>
<Style>
    Body {
        Background - Color : Red ;
    }
    h1 {
        Color : Green ;
    }
    P {
        Color : Blue ;
    }
</Style>
</head>
<Body>
    <h1>This is an heading </h1>
    <P> This is an paragraph </P>

```



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</body>

</html>

Conclusion:

1. A webpage with a light green background.
2. A heading with blue white text.

Post Practical Question:

1. How can you apply different background images instead of a color to your webpage?

Ans: Body {

~~Background-image : url('');~~

2. How would you change the colors dynamically using JavaScript?

Ans: I can change the background color of an element dynamically using JavaScript manipulating the DOM and CSS style.

Signature with Date of Completion	
Marks out of 10	



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EXPERIMENT NO: 2

Aim: Demonstrate use of

1. subscript,
2. super script,
3. align tag and
4. Format the text by using formatting tags like bold and italic.

Description:

In this practical, we demonstrated how to use:

1. Subscript (`<sub>`) and superscript (`<sup>`) tags to format text in mathematical and chemical notations.
2. Align attribute to control text alignment (center, right).
3. Formatting tags like bold (``) and italic (`<i>`) to emphasize specific parts of the text.

Procedure:

`<html>`

`<head>`

`<title> WebPage </title>`

`</head>`

`<Body>`

`H₂ 0`

`X² Y²`

`<P Style="text-align: center;"> Centered text </P>`

`<P Style="text-align: right;"> Right-aligned text </P>`

`<P> This is Bold text </P>`

`<P> This is <i> italic </i> text </P>`

`</Body>`

`</html>`



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Conclusion:

-: Output :-

H_2O .

x^2+y^2

Bold text

italic text

Post Practical Question:

1. Which tag is used to display text as a subscript in HTML?

- a) <sup>
- b) <sub>
- c) <script>
- d) <small>

Answer:

b) <sub>

2. Which of the following tags is used to display text as superscript in HTML?

- a) <sub>
- b) <i>
- c) <sup>
- d) <u>



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Answer:

C) <Sup>

3. What is the correct way to align text to the center in a paragraph using HTML?

- a) <p align="right">This is centered text</p>
- b) <p align="center">This is centered text</p>
- c) <p style="center">This is centered text</p>
- d) <p text-align="center">This is centered text</p>

Answer:

b) <p align="center">This is centered text</p>

4. Which tag is used to make text bold in HTML?

- a)
- b) <i>
- c) <u>
- d)

Answer:

5. What is the purpose of the <i> tag in HTML?

- a) To underline the text
- b) To make the text bold
- c) To italicize the text
- d) To strike through the text

Answer:

c) To italicize the text

6. Which tag is used to underline text in HTML?

- a) <i>
- b)
- c) <u>
- d) <sub>

Answer: C) <u>



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7. Which of the following attributes is used to align text within a <p> tag?

- a) text-align
- b) align
- c) style
- d) font-align

Ans: A) text-align

Signature with Date of Completion	
Marks out of 10	



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EXPERIMENT NO: 3

Aim: Draw the table as given format

Description:

In this exercise, a table is created using the `<table>`, `<tr>`, `<th>`, and `<td>` tags. The table structure was enhanced with attributes like borders, cell padding, and cell spacing. This demonstrates the creation of structured data presentation using tables in HTML.

Procedure:

```
<html>
<head>
    <title>table</title>
</head>
<body>
    <h2> Sample Table </h2>
    <table border="1" cellpadding="10" cellspacing="0">
        <tr>
            <td> 1 </td>
            <td> 2 </td>
            <td> 3 </td>
        </tr>
        <tr>
            <td> 4 </td>
            <td> 5 </td>
            <td> 6 </td>
        </tr>
        <tr>
            <td> 7 </td>
            <td> 8 </td>
            <td> 9 </td>
        </tr>
    </table>
</body>
```



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</Body>

</html>

Conclusion:

Sample Table		
Cell Padding		
1	4	7
2	5	8
3	6	9

Post Practical Question:

1. Which tag is used to create a table in HTML?

- a) <table>
- b) <tab>
- c) <tr>
- d) <td>

Answer:

A) <table>

2. What does the <tr> tag represent in an HTML table?

- a) A table cell
- b) A table row
- c) A table header
- d) A table caption

Answer:

b) A table row

3. Which tag is used to define a header cell in a table?

- a) <td>
- b) <th>
- c) <header>
- d) <cell>

Answer: b) <th>



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4. What attribute is used to add a caption to a table?

- a) <caption>
- b) <tablecaption>
- c) title
- d) description

Answer:

a) <caption>

5. Which attribute would you use to specify the border of a table in HTML?

- a) border
- b) border-style
- c) frame
- d) cellpadding

Answer: a) border

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Marks out of 10	



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EXPERIMENT NO: 4

Aim: Create web page using metadata & `<!DOCTYPE html>` tag.

Description:

This practical demonstrates the use of the `<!DOCTYPE html>` declaration to specify the HTML version. It also covers the use of metadata tags like `<meta>` to define the character set, description, keywords, and other important information for the webpage. Metadata is essential for SEO and webpage responsiveness.

Procedure:

```
<!DOCTYPE html>
<html lang = "en">
<head>
  <meta charset = "UTF - 8 ">
  <meta name = "view port " Content = "width = initial - Scale - 10 " >
  <meta name = "key words" Content = "HTML . CSS & JavaScript " >
  <meta name = "author" Content = "your name " >
  <title> WebPage </title>
</head>
<body>
  <h1> Welcome to WebPage </h1>
</body>
</html>
```

Conclusion:

These we create a webpage assign meta data. with declaration with `<!DOCTYPE html>` Version.

Post Practical Question:

- 1] What is the purpose of the `<meta charset = "UTF - 8 " >` tag?
- 2] How do you add javascript function with to the webpage?



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- 3] How do you upload the webpage to web server?
- 4] What is importance of website backup and security?

Signature with Date of Completion
Marks out of 10



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EXPERIMENT NO: 5

Aim: Create a Web page to display basic your resume

Description:

In this practical, a simple webpage was created to showcase a basic resume layout. HTML tags such as `<h1>`, `<p>`, ``, and `<table>` are used to structure sections like personal details, education, skills, and contact information. This is useful for creating personal portfolios or professional resumes online.

Procedure:

```
<!DOCTYPE html>
<html>
<head>
    <title> My Resume </title>
</head>
<body>
    <h1> My Resume </h1>
    <h2> Daxji Nidhi </h2>
    <h3> Personal Details </h3>
    <p> <b> Email: </b> dasjiniidhi365@gmail.com </p>
    <p> <b> Phone: </b> 8469217229 </p>
    <p> <b> Address: </b> 26, Kesar-80-house, Chamkya Purosi, Ahmedabad, Gujarat, India. </p>
    <h3> Education </h3>
    <table border='1'>
        <tr>
            <td> B.Sc. CS. IT </td>
            <td> Silver Oak University </td>
            <td> 2024 - Present </td>
        </tr>
        <tr>
            <td> High School </td>
            <td> Sumati HS School </td>
            <td> 2019 - 2023 </td>
        </tr>
    </table>
</body>
</html>
```



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`<h3> Skills </h3>`

``

` HTML CSS `

` JavaScript `

` Web Developing `

` Problem Solving `

`</body>`

Conclusion:

This code creates basic resume.

- Header with name and contact information.
- Summary section.
- Education section with table.

Post Practical Question:

- 1) What is difference between the `` and `` elements?
- 2) What is the use of table in HTML?
- 3) How can I add more sections to the resume?

Signature with Date of Completion	Mr. P. S. S. A. 2023
Marks out of 10	8.5



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EXPERIMENT NO: 6

Aim: Show the use of all tags and attributes of
1. ordered list
2. unordered list.

Description:

This exercise demonstrates the use of ordered (``) and unordered (``) lists in HTML. The `` tag is used for list items. Attributes like `type`, `start`, and `reversed` for ordered lists, and bullet styling for unordered lists, are explored to enhance list formatting.

Procedure:

```
<!DOCTYPE HTML>
<html>
<head>
    <title> list </title>
</head>
<body>
    <h2> Ordered list </h2>
    <ol type = "1" Start = "3" reversed>
        <li> 3 </li>
        <li> 2 </li>
        <li> 1 </li>
    </ol>
    <h2> Unordered list </h2>
    <ul type = "circle">
        <li> First </li>
        <li> Second </li>
        <li> Third </li>
    </ul>
</body>
</html>
```



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Output

Order list :

- 1. 3
- 2. 2

Unorder list:

- first
- second

Conclusion:

Post Practical Question:

1. Which tag is used to create an unordered list in HTML?

- a)
- b)
- c)
- d) <list>

Answer:

b)

2. What is the purpose of the tag in both ordered and unordered lists?

- a) To define the list itself
- b) To represent each item within a list
- c) To create a heading for the list
- d) To style the list items

Answer: b) To represent each item within a list

3. Which attribute can be used to specify the type of bullet in an unordered list?



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- a) style
- b) type
- c) bullet
- d) list-style-type

Answer:

4. What tag is used to create an ordered list in HTML?

- a)
- b)
- c)
- d) <list>

Answer:

c)

5. Which attribute can you use to change the numbering style of an ordered list?

- a) style
- b) type
- c) numbering
- d) format

Answer: b) type

Signature with Date of Completion	
Marks out of 10	



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EXPERIMENT NO: 7

Aim: Create webpage which shows the use of hyperlink.

Description:

In this practical, hyperlinks were created using the `<a>` tag. The `href` attribute was used to link to external and internal web pages, while the `target` attribute was used to control how the linked page opens (e.g., in a new tab). This exercise is key in learning how to navigate between web pages.

Procedure:

```
<!DOCTYPE html>
<html>
<head>
    <title> Links </title>
</head>
<body>
    <h1> Using Hyperlinks </h1>
    <p> Visit an external website: </p>
    <a href="https://www.google.com" target="blank"> google </a>
    <a href="#Section 1"> go to section 1 </a>
    <a href="#Section 2"> go to section 2 </a>
    <h2 id = "Section 1"> Section 1 </h2>
    <p> This is section 1 </p>
    <h2 id = "Section 2"> Section 2 </h2>
    <p> This is section 2 </p>
</body>
</html>
```

Conclusion:

Click on the following link
Google

Post Practical Question:



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1. What are the security implications of using hyperlinks that open in a new tab (i.e., using `target = "blank"`)?

Ans: Using `target = "blank"` without `rel = "noopener noreferrer"` can expose the original page to tabnabbing attacks, allowing the new page to manipulate and redirect it.

2. How would you create an anchor link that scrolls to a specific section of the same webpage?

Ans: `<!DOCTYPE html>`

```
<html>
  <head>
    <title>Anchor link </title>
  </head>
  <body>
    <a href="#Section 1"> go to Section 1 </a>
    <h2 id="Section 1">Section 1 </h2>
    <p> This is a Section 1 </p>
  </body>
</html>
```

Signature with Date of Completion	2023-09-01
Marks out of 10	10



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EXPERIMENT NO: 8

Aim: Show the use of all tags related to images.

Description:

This practical demonstrates the use of the `` tag to display images on a webpage. Attributes like `src` (source), `alt` (alternative text), `height`, and `width` are explored to control the display of images. It also covers image alignment and linking an image to another page using the `<a>` tag.

Procedure:

```
<!DOCTYPE html>
<html>
<head> <title> Image </title>
</head>
<body> <h2> Image </h2>
      <img src = "Imagelink" alt = "Image" width = "300" height = "300" />
      <h2> Image </h2>
      <h2> Image as a link </h2>
      <a href = "https://www.google.com"><img src = "google photo" alt = "google" width = "250" height = "150"/></a>
</body>
</html>
```

Conclusion: Output

- Image will be displayed with their respective attributes (e.g., width, height, alt text)
- Show these basic image 1.
- Images with width and height (300x300).



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Post Practical Question:

1. Which tag is used to embed an image in an HTML document?

- a) ``
- b) `<picture>`
- c) `<image>`
- d) `<src>`

Answer: a) ``

2. What attribute is essential for the `` tag to specify the image source?

- a) `source`
- b) `src`
- c) `href`
- d) `file`

Answer: b) `src`

3. What attribute is used in the `` tag to provide alternative text for an image?

- a) `alt`
- b) `title`
- c) `description`
- d) `text`

Answer: a) `alt`

4. How do you specify a caption for an image using HTML?

- a) Using the `<figcaption>` tag inside the `<figure>` tag
- b) Using the `<caption>` tag
- c) Using the `alt` attribute
- d) Using the `<label>` tag

Answer: a) Using the `<figcaption>` tag inside the `<figure>` tag

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Marks out of 10	



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EXPERIMENT NO: 9

- Aim: Create a webpage and use the following TAG to perform operation.
1. Create a simple table with at least three rows and three columns.
 2. Use the `<table>`, `<tr>`, `<th>`, and `<td>` tags.
 3. Add a caption to the table created above using the `<caption>` tag.
 4. Add a border to your table using the `border` attribute in the `<table>` tag.
 5. Align the content of your table cells using the `align` and `vAlign` attributes.
 6. Change the background color of your table and its cells using the `bgcolor` attribute.
 7. Use the `cellpadding` and `cellspacing` attributes to adjust the spacing inside and between the table cells.
 8. Create a nested table by inserting one table inside another table's cell.

Description:

This practical focuses on creating a table with at least three rows and three columns using the `<table>`, `<tr>`, `<th>`, and `<td>` tags. Features such as captions, borders, alignment, background colors, `cellpadding`, and `cellspacing` were demonstrated. Additionally, a nested table was created by placing one table inside a table cell.

Procedure:

```
<!DOCTYPE html>
<html>
<head> <title> Table </title> </head>
<body>
<table border="1" cellpadding="10" cellspacing="5" bgcolor="Red" align="center">
<caption> <b> Student Data </b> </caption>
<tr> <td align="center"> Name </td>
      <td align="center"> ID </td>
      <td align="center"> Age </td>
</tr>
<tr> <td align="center"> </td>
      <td align="center"> Alice </td>
      <td align="center"> 21 </td>
</tr>
<tr> <td align="center"> </td>
      <td align="center"> 2 </td>
      <td align="center"> Raj </td>
</tr>
<tr> <td align="center"> </td>

```



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```
<table border="1" cellpadding="5" cellspacing="2" bgcolor="skyblue">
<tr> <td>yellow</td>
<th> align="center" >Subject</th>
<th> align="center" >Grade</th>
</tr>
<tr>
<td align="center" >Math</td>
<td align="center" >A+</td>
</tr>
</table>
</body>
</html>
```

Conclusion:

Student Data		
No.	Age	Grade
1	20	A

Post Practical Question:

- What are the benefits of using CSS to style tables instead of inline HTML attributes?

Ans: Using CSS to Style tables allows for cleaner, more maintainable code and provides greater flexibility and control over styling.

- How would you handle large tables with many rows and columns to improve readability and usability?

Ans: Use features like fixed headers, row highlighting, pagination, and horizontal scrolling.

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EXPERIMENT NO: 10

Aim: Create a webpage and use the following TAG to perform operation.

1. Use the <frameset> tag to create a webpage with two frames.
2. Use the <frame> tag to define the content of each frame.
3. Specify different attributes like border, frameborder, framespacing, and marginwidth for the frames.
4. Set the width and height of the frames using the cols and rows attributes in the <frameset> tag.
5. Create a navigation menu in one frame and display the corresponding content in another frame using the target attribute in the <a> tag.

Description:

This practical shows the use of the <frameset> and <frame> tags to create a webpage with two frames. The webpage includes a navigation menu in one frame and displays related content in another frame using the target attribute. Attributes like border, frameborder, framespacing, and marginwidth are also demonstrated to control the appearance and spacing of frames.

Procedure:

index.html

```
<!DOCTYPE HTML>
<html>
<frameset rows="20%, 80%">
  <frameborder="1">
  <framespacing="5">
  <border="1">
  <frame src="menu.html">
    name = "content"
</frameset>
</html>
```

menu.html

```
<!DOCTYPE html>
<html>
<body>
  <h2>Navigation </h2>
  <ul>
    <li><a href = "Page 1.html" target = "Content">Page 1</a></li>
    <li><a href = "Page 2.html" target = "Content">Page 2</a></li>
    <li><a href = "Page 3.html" target = "Content">Page 3</a></li>
  </ul>
</body>
</html>
```



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Output

- WebPage layout
- Top frame (Navigation menu)

Conclusion:

Navigation

- Page 1
- Page 2
- Page 3

• Bottom frame

• click on Page 1 "2 '3"

Display Content "in the
bottom of frame of Page =

1, 2, 3.

Post Practical Question:

1. What are the drawbacks of using frames in modern web development, and what alternatives exist?

Ans: Drawbacks of frames:

- SEO issues
- Accessibility Problem
- Browser compatibility issues
- Security risks.

Alternatives:

- CSS layouts
- JavaScript libraries
- Ajax
- HTML Semantic elements

2. How can you handle issues related to frame security and browser compatibility?

Ans: Frame Security :

- 1) Use HTTPS encryption
- 2) Set Content security Policy
- 3) Use Sandbox attribute.

Browser Compatibility:

- 1) Cross-browser testing
- 2) Standard HTML / CSS
- 3) JavaScript libraries.

Signature with Date of Completion	
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| Marks out of 10 | |



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EXPERIMENT NO: 11

Aim: Create a webpage for online Jewellery shopping.

1. Display Menu in left frame.
2. Clicking on menu should display related webpage in right frame.
3. Keep header and footer frames to display related information.

Description:

In this exercise, a webpage is designed using frames to create a simple online jewelry shopping interface. The left frame displays the menu, and clicking on the items in the menu displays the related content in the right frame. Additionally, a header and footer are used to display additional information.

Procedure:

```
<!DOCTYPE html>
<html>
<head>
<title> Jewellery Shop </title>
<link rel="stylesheet" href="Style.css">
</head>
<body>
<nav>
<ul>
<li><a href="#necklaces"> Necklaces </a></li>
<li><a href="#earring"> Earring </a></li>
<li><a href="#ring"> Ring </a></li>
</ul>
</nav>
<main>
<Section id="necklaces">
<h2> Necklaces </h2>
<image src="necklaces.jpg" ></sections>
<Section id="earring">
<h2> Earring </h2>
</sections>
</main>
<footer> &copy; 2024 Jewellry Shop </footer>
```



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</Body>
</html>

Conclusion:

This code creates a basic website with:

- Header with title
- Navigation menu
- Main content with sections for classes, earning, xing.
- Footer with copyright information & images.

Post Practical Question:

1. How would you enhance the user experience by integrating JavaScript or CSS animations in your jewelry shopping website?

Ans: Enhance user experience on jewelry shopping website:

Java Script :

- Product image zoom
- 360-degree view
- Shopping Cart animation

CSS Animation :

- Hover effects
- Loading animation
- Product Sliders

2. How can you make your shopping website responsive for mobile and tablet devices?

Ans: Make your shopping website responsive for mobile and table devices:-

Use :-

html5/CSS3 media query : CS

- Bootstrap / foundation

- mobile - first design

- Responsive images / videos,

etc.

Signature with Date of Completion

Marks out of 10



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EXPERIMENT NO: 12

Aim: Create web page for register online exam form filling process.

Description:

This practical involves creating a form for registering for an online exam. The form uses various form elements like `<input>`, `<select>`, `<textarea>`, and buttons for user input. The exercise highlights form validation, data submission, and user interaction on a webpage.

Procedure:

Procedure: <!DOCTYPE html>
<html>
<head>
 <title>online exam registration</title>
 <style>
 body {font-family: Arial, serif;}
 form {width: 50%; margin: 40px auto; padding: 20px; border: 1px solid #ccc; border-radius: 10px; box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);}
 </style>
</head>
<body>
 <h1>online Exam registration</h1>
 <form>
 <h2>Registration form</h2>
 <label>full name:</label>
 <input type="text" name="name" required>
 <label>exam:</label>
 <select name="exam"></select>
 <label>Password</label>
 <input type="password" value="Register">
 </form>
</body>
</html>



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Output

Conclusion:

Online exam registration
Registration form

Full name: _____

Email ID: _____

Phone no. _____

Exam name: _____

Password: _____

Register

Post Practical Question:

1. Which HTML tag is used to create a form in a webpage?

- a) <input>
- b) <form>
- c) <register>
- d) <fieldset>

Answer: b) <form>

2. What attribute is used to specify the method of form submission in HTML?

- a) action
- b) method
- c) submit
- d) enctype

Answer: b) method

3. Which input type would you use for a text field where users can enter their names?

- a) <input type="number">
- b) <input type="text">
- c) <input type="email">
- d) <input type="password">

Answer: b) <input type="text">



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4. Which CSS property would you use to change the background color of the form?

- a) color
- b) background
- c) bgcolor
- d) background-color

Answer: d) background-color

5. What is the purpose of the <label> tag in a form?

- a) To create a text input
- b) To provide a clickable area for form controls
- c) To define a form section
- d) To display error messages

Answer: b) To provide a clickable area for form controls.

6. Which CSS property is used to adjust the spacing between the form fields?

- a) margin
- b) padding
- c) border
- d) spacing

Answer: a) margin

7. How can you make a field required in a form?

- a) By adding the required attribute to the input tag
- b) By using the mandatory attribute
- c) By adding required="true" in the form tag
- d) By setting the validate attribute to true

Answer: a) By adding the required attribute to the input tag



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Marks out of 10	



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EXPERIMENT NO: 13

Aim: Create a Web page to display your resume.

```
<!DOCTYPE html>
<html>
<head>
    <title> My resume </title>
    <style>
        body {
            font-family: Arial;
        }
        table {
            border: 1px solid #ccc;
            padding: 10px;
        }
    </style>
</head>
<body>
    <h1> My resume </h1>
    <table width="80%">
        <tr>
            <th> ColSpan="2" >
            Contact information </th>
        <tr>
            <td> Name </td>
            <td> Nidhi Dangi </td>
        </tr>
        <tr>
            <td> Email </td>
            <td> nidhi365@gmail.com </td>
        </tr>
    </table>
```

```
<tr>
    <td> Phone </td>
    <td> 8469217229 </td>
</tr>
<tr>
    <th colspan="2" > Education </th>
</tr>
<tr>
    <td> degree </td>
    <td> BSCCCS-IT </td>
</tr>
<tr>
    <td> University </td>
    <td> Silver oak University </td>
</tr>
<tr>
    <td> Graduation Date </td>
    <td> 2024 </td>
</tr>
<tr>
    <th colspan="2" > Skills </th>
</tr>
<tr>
    <td> </td>
    <td> HTML, CSS, Java, Python </td>
</tr>
</table>
</body>
</html>
```



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EXPERIMENT NO: 13

Aim: Create a Web page to display your resume.

```
<!DOCTYPE html>
<html>
<head>
  <title> My resume </title>
  <style>
    body {
      font-family: Arial;
    }
    table {
      border: 1px solid #ccc;
      padding: 10px;
    }
  </style>
</head>
<body>
  <h1> My resume </h1>
  <table width="80%">
    <tr>
      <th> ColSpan="2" >
        Contact information </th>
    </tr>
    <tr>
      <td> Name </td>
      <td> Nidhi Darji </td>
    </tr>
    <tr>
      <td> Email </td>
      <td> nidhi.darji365@gmail.com </td>
    </tr>
```

```
<tr>
  <td> Phone </td>
  <td> 8469217229 </td>
</tr>
<tr>
  <th colspan="2" > Education </th>
</tr>
<tr>
  <td> degree </td>
  <td> BSC CCS-IT </td>
</tr>
<tr>
  <td> University </td>
  <td> Silver oak University </td>
</tr>
<tr>
  <td> Graduation Date </td>
  <td> 2024 </td>
</tr>
<tr>
  <th colspan="2" > Skills </th>
</tr>
<tr>
  <td> </td>
  <td> HTML, CSS, Java, Python </td>
</tr>
</table>
</body>
</html>
```



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Description:

This practical involves creating a more detailed and formatted resume using HTML. Sections like personal details, education, work experience, and skills are presented using appropriate tags like `<h1>`, `<p>`, ``, and `<table>`. This showcases how HTML can be used to create professional online resumes.

Procedure:

Output

My Resume

- Contact Information

| field | value |

| - | - |

| Name | Nidhi Darji |

| Email | darjinidhi365@gmail.com |

| Phone | 84692 17229 |

- Education

| field | value |

| - | - |

| Degree | BSc (CS-IT) |

| University | Silver oak University |

| Graduation | 2024 |

Skills

| value |

| - | - |

| HTML, CSS, Java, Python |

Conclusion:

Post Practical Question:



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1. What enhancements can you add to make the resume more interactive, such as using modal windows or downloadable sections?

Ans: Here enhancements add as a.

- Interactive Element → Downloadable section as pdf.
- Dynamic Content
- Visual Enhancements
- Downloadable formats → Pdf, Word, 350 n.
- Social media interaction → Github link, Profile like.

2. How would you update your resume in the future while maintaining consistency and formatting across devices?

Ans: To update your resume while maintaining consistency and formatting,

- use CSS framework (Bootstrap Tailwind CSS)
- Store on cloud storage (Google drive)
- Test on multiple devices and browsers or
- utilize resume builders (Canva's linked in Resume)
- Update regularly to stay current.

Signature with Date of Completion

Marks out of 10

Left → 2023-24

5/5

Pass

2023-24

2023-24

2023-24

2023-24

2023-24

2023-24



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EXPERIMENT NO: 14

Aim: Show the use of all tags and attributes of ordered list and unordered list.

Description:

In this practical, ordered and unordered lists were created using `` and `` tags. Different attributes of lists were explored, such as the `type` attribute for ordered lists (e.g., numbers, letters) and various bullet styles for unordered lists. This practical highlights how to create and style lists on a webpage.

Procedure:

```
<ol style="list-style-type: none; border-left: 2px solid black; padding-left: 10px;>
    <li> Value = "10"> Pizza
    <li> Style = "list-style-type: none;"> </li>
        <li> Pepperoni </li>
        </ul>
        </li>
        <li> ice-cream
        </li>
        <li> flowers </li>
</ol>
```

`<dd> Chocolates</dd>`
`<dd> Vanilla</dd>`
`</dd>`
`</dd>`
` Sushi `
` Tacos `
` Burgers `
``

Conclusion:

<u>Output</u>	
	V. Pizza
-	Pepperoni
-	mushrooms.
IV.	ice-cream
	Flowers:
	Chocolate
	Vanilla
III.	Sushi
II.	Tacos
I.	Burgers.



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Post Practical Question:

1. Which tag is used to create an ordered list in HTML?

- a)
- b)
- c)
- d) <list>

Answer: C)

2. What attribute can you use to specify the starting number of an ordered list?

- a) start
- b) type
- c) value
- d) number

Answer: a) Start

3. Which of the following tags is used to define each item in a list?

- a) <item>
- b) <list-item>
- c)
- d) <element>

Answer: C)

4. What is the default bullet style for an unordered list created with the tag?

- a) Square
- b) Circle
- c) Disc
- d) None

Answer: C) Disc



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5. Which attribute can be used with the `` tag to change the numbering style of the list?

- a) start
- b) type
- c) style
- d) numbering

Answer: b) type

Kushal

Signature with Date of Completion	
Marks out of 10	