Q1.

<!-- 1.What is the process for adjusting text alignment in HTML? -->

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

    <p>It make our page look good and easy to read.</p>

    <p style="text-align: left">This is left-aligned text.</p>

    <p style="text-align: center">This is center-aligned text.</p>

    <p style="text-align: right">This is right-aligned text.</p>

</body>

</html>

Q2.

<!-- 2.How can we align text based on the surrounding elements in HTML? -->

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

    <style>

        .container{

            text-align: center;

        }

    </style>

</head>

<body>

    <div class="container">

        <p>This is centered text.</p>

    </div>

</body>

</html>

Q3.

<!-- What’s the method for creating a table heading in HTML? -->

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

    <p>We use th for table heading</p>

    <table>

        <tr>

            <th>Roll no</th>

            <th>Student name</th>

            <th>contact</th>

        </tr>

        <tr>

            <td>1234</td>

            <td>CDAC</td>

            <td>1234567890</td>

        </tr>

    </table>

</body>

</html>

Q4.

<!-- .What is an HTML heading used for? -->

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

    <h1>This is h1 heading</h1>

    <p>heading is used to create headings for the important sections</p>

    <h2>This is h2 heading</h2>

    <p>It helps us to read the important sections in the web page</p>

</body>

</html>

Q5.

<!-- 5.How can we incorporate sub headings using HTML? -->

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

    <h1>Main Heading</h1>

    <p>This is the main content</p>

    <h2>This is h2 heading</h2>

    <p>Paragraph will be here</p>

    <h3>This is h3 heading</h3>

    <p>Paragraph will be here</p>

    <h4>This is h4 heading</h4>

    <p>Paragraph will be here</p>

</body>

</html>

Q6.

<!-- 6.What is the HTML DOM Heading used for? -->

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

    <p>The HTML DOM refers to the collection of HTML elements used for creating headings in a web page. Headings are

        used to define

        the structure and hierarchy of content on a webpage, making it more organized and readable.</p>

    <h1>Main Heading</h1>

    <p>This is the main content</p>

    <h2>This is h2 heading</h2>

    <p>Paragraph will be here</p>

    <h3>This is h3 heading</h3>

    <p>Paragraph will be here</p>

    <h4>This is h4 heading</h4>

    <p>Paragraph will be here</p>

</body>

</html>

Q7.

<!-- 7.How do you align text within a text flow layout? -->

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

    <style>

        .left-align {

            text-align: left;

        }

        .center-align {

            text-align: center;

        }

        .right-align {

            text-align: right;

        }

        .justify-align {

            text-align: justify;

        }

    </style>

</head>

<body>

    <h1 class="center-align">Center-Aligned Heading</h1>

    <div class="left-align">

        <p>This is left-aligned text.</p>

    </div>

    <div class="center-align">

        <p>This is center-aligned text.</p>

    </div>

    <div class="right-align">

        <p>This is right-aligned text.</p>

    </div>

    <div class="justify-align">

        <p>This is justified text. It stretches to align with both margins.</p>

    </div>

</body>

</html>

Q8.

<!-- 8.How do we set the text direction for the content in an element in HTML? -->

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

    <!-- Left to right -->

    <div dir="ltr">

        This is left-to-right text.

    </div>

    <div dir="rtl">

        This is right-to-left text.

    </div>

</body>

</html>

Q9.

<!-- 9.Create a table that displays Students records. -->

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

    <h1>Student Records</h1>

    <table border="1">

        <tr>

            <th>Student ID</th>

            <th>Name</th>

            <th>Age</th>

            <th>Grade</th>

        </tr>

        <tr>

            <td>1</td>

            <td>Harshal</td>

            <td>34</td>

            <td>A</td>

        </tr>

        <tr>

            <td>2</td>

            <td>Prabhat</td>

            <td>35</td>

            <td>B+</td>

        </tr>

        <tr>

            <td>3</td>

            <td>Milind</td>

            <td>99</td>

            <td>A-</td>

        </tr>

    </table>

</body>

</html>

Q10.

<!-- 10.Display background color and image in web pages. -->

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

    <style>

        body {

            background-color: lawngreen;

            background-image: url('https://images.pexels.com/photos/674010/pexels-photo-674010.jpeg?auto=compress&cs=tinysrgb&w=1260&h=750&dpr=2');

        }

        .shashank{

            color: white;

        }

    </style>

</head>

<body>

    <p class="shashank">This is shashank</p>

</body>

</html>