Question 1.

```html
<!-- 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>
```

Question 2.

```html
<!-- 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>
```

Question 3.

```html
<!-- 3.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>
```

Question 4.

```html
<!-- 4.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>
```

Question 5.

```html
<!-- 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>
```

Question 6.

```html
<!-- 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>
```

Question 7.

```html
<!-- 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>
```

Question 8.

```html
<!-- 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>
```

Question 9.

```html
<!-- 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>Prabhat</td>
            <td>34</td>
            <td>A</td>
        </tr>
        <tr>
            <td>2</td>
            <td>Shashank</td>
            <td>35</td>
            <td>B+</td>
        </tr>
        <tr>
            <td>3</td>
            <td>Harshal</td>
            <td>99</td>
            <td>A-</td>
        </tr>
    </table>

</body>

</html>
```

Question 10.

```html
<!-- 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');
        }
        .para{
            color: white;
        }
    </style>

</head>
<body>
    <p class="para">This is prabhat</p>
</body>
</html>
```