

**SARDAR VALLABHBHAI NATIONAL INSTITUTE OF
TECHNOLOGY, SURAT
COMPUTER SCIENCE AND ENGINEERING DEPARTMENT
B. Tech-1st Year
(Even Semester- 2024-2025)
Subject – Web Programming (CS104)
Lab Assignment 10**

1. Center align the <div> element using margins.

```
<!DOCTYPE html>
<html>
<head>
<style>
div {
width: 300px;
background-color: #b0e0e6;
}
</style>
</head>
<body>

<div>
<p>In my younger and more vulnerable years my father gave me some advice
that I've been turning over in my mind ever since.</p> <p>'Whenever you feel
like criticizing anyone,' he told me, 'just remember that all the people in this
world haven't had the advantages that you've had.'</p> </div>

</body>
</html>
```

2. Position the <div> element all the way to the right using absolute positioning.

```
<!DOCTYPE html>
<html>
<head>
```

```
<style>
div {
width: 300px;
background-color: #b0e0e6;
}
</style>
</head>
<body>

<div>
<p>In my younger and more vulnerable years my father gave me some advice
that I've been turning over in my mind ever since.</p> <p>'Whenever you feel
like criticizing anyone,' he told me, 'just remember that all the people in this
world haven't had the advantages that you've had.'</p> </div>

</body>
</html>
```

3. Change the color of all <p> elements, that are descendants of <div> elements, to “red”.

```
<!DOCTYPE html>
<html>
<head>
<style>

</style>
</head>
<body>

<div>
<p>This is a paragraph inside a div element.</p> <p>This is another
paragraph inside a div element.</p> <span><p>This a paragraph inside a span
element, inside a div element.</p></span>

</div>

<p>This is a paragraph, not inside a div element.</p> <p>This is another
```

paragraph, not inside a div element.</p>

</body>

</html>

```
<!-- 3. Change the color of all <p> elements, that are descendants of <div>
elements, to "red". -->
<!DOCTYPE html>
<html>
<head>
<style>
  div p{
    color: red;
  }
</style>
</head>
<body>
<div>
<p>This is a paragraph inside a div element.</p> <p>This is another
paragraph inside a div element.</p> <span><p>This a paragraph inside a span
element, inside a div element.</p></span>
</div>
<p>This is a paragraph, not inside a div element.</p> <p>This is another
paragraph, not inside a div element.</p>
</body>
</html>
```

This is a paragraph inside a div element.

This is another paragraph inside a div element.

This a paragraph inside a span element, inside a div element.

This is a paragraph, not inside a div element.

This is another paragraph, not inside a div element.

4. Change the color of all <p> elements, that are immediate children of <div> elements, to “red”.

<!DOCTYPE html>

<html>

<head>

<style>

</style>

</head>

<body>

<div>

<p>This is a paragraph inside a div element.</p> <p>This is another paragraph inside a div element.</p> <p>This a paragraph inside a span element, inside a div element.</p>

</div>

<p>This is a paragraph, not inside a div element.</p> <p>This is another paragraph, not inside a div element.</p>

</body>

</html>

```
<!-- 4. Change the color of all <p> elements, that are immediate children of
      <div> elements, to "red". -->
<!DOCTYPE html>
<html>
<head>
<style>
    div>p{
        color: red;
    }
</style>
</head>
<body>
<div>
<p>This is a paragraph inside a div element.</p> <p>This is another
paragraph inside a div element.</p> <span><p>This a paragraph inside a span
element, inside a div element.</p></span>
</div>
<p>This is a paragraph, not inside a div element.</p> <p>This is another
paragraph, not inside a div element.</p>
</body>
</html>
```

This is a paragraph inside a div element.

This is another paragraph inside a div element.

This a paragraph inside a span element, inside a div element.

This is a paragraph, not inside a div element.

This is another paragraph, not inside a div element.

5. Change the color of the first `<p>` element that is directly after `<div>` elements, to "red".

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<style>
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div>
```

```
<p>This is a paragraph inside a div element.</p> <p>This is another  
paragraph inside a div element.</p>
```

```
<span><p>This a paragraph inside a span element, inside a div  
element.</p></span>
```

```
</div>
```

```
<p>This is a paragraph, not inside a div element.</p> <p>This is another  
paragraph, not inside a div element.</p>
```

```
</body>
```

</html>

6. Change the color of <p> elements, that are the siblings of a <div> element, to “red”.

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<style>
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div>
```

```
<p>This is a paragraph inside a div element.</p> <p>This is another  
paragraph inside a div element.</p> <span><p>This a paragraph inside a span  
element, inside a div element.</p></span>
```

```
</div>
```

```
<p>This is a paragraph, not inside a div element.</p> <p>This is another  
paragraph, not inside a div element.</p>
```

```
</body>
```

```
</html>
```

7. Set the background color for visited and unvisited links to "lightblue", and the background color for the hover and active link states to “yellow”.

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<style>
```

```
/* unvisited link */
```

```
a {
```

```
background-color: lightblue;
```

```
}
```

```
/* visited link */
```

```
a {  
  background-color: lightblue;  
}
```

```
/* mouse over link */
```

```
a {  
  background-color: yellow;  
}
```

```
/* selected link */
```

```
a {  
  background-color: yellow;  
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<h1>This is a Heading</h1>
```

```
<p>This is a paragraph.</p>
```

```
<p><a href="https://abc.com">abc.com</a></p>
```

```
</body>
```

```
</html>
```

```
<!-- 7. Set the background color for visited and unvisited links to "lightblue",  
and the background color for the hover and active link states to  
"yellow". -->  
<!DOCTYPE html>  
<html>  
<head>  
<style>  
  /* unvisited link */  
  a {  
    background-color: lightblue;  
  }  
  /* visited link */  
  a:visited{  
    background-color: lightblue;  
  }  
</style>  
</head>  
<body>  
  <h1>This is a Heading</h1>  
  <p>This is a paragraph.</p>  
  <p><a href="https://abc.com">abc.com</a></p>  
</body>  
</html>
```

```
/* mouse over link */
a:hover {
background-color: yellow;
}

/* selected link */
a::selection {
background-color: yellow;
}

</style>
</head>
<body>
<h1>This is a Heading</h1>
<p>This is a paragraph.</p>
<p><a href="https://abc.com">abc.com</a></p>
</body>
</html>
```

This is a Heading

This is a paragraph.

abc.com

8. Set the background color of `<p>` elements, that are the first child of any element, to “lightblue”.

```
<!DOCTYPE html>
<html>
<head>
<style>
</style>
</head>
<body>
```

```
<p>This is a paragraph.</p>
```


<p>This is also a paragraph</p>

</body>

</html>

9. Set the background color of <input> elements that are in focus (clicked or active), to “lightblue”.

<!DOCTYPE html>

<html>

<head>

<style>

</style>

</head>

<body>

<form action="/action_page.php" method="get"> First name: <input type="text" name="fname">
 Last name: <input type="text" name="lname">
 <input type="submit" value="Submit">
</form>

</body>

</html>

```
<!-- 9. Set the background color of <input> elements that are in focus  
(clicked or active), to "lightblue". -->  
<!DOCTYPE html>  
<html>  
<head>  
<style>  
    input:focus{  
        background-color: lightblue;  
    }  
</style>  
</head>  
<body>  
<form action="/action_page.php" method="get"> First name: <input  
type="text" name="fname"><br> Last name: <input type="text"  
name="lname"><br> <input type="submit" value="Submit">  
</form>  
</body>  
</html>
```

10. Set text color to red, for the first line of the <p> element.

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<style>
```

```
</style>
```

```
</head>
```

```
<body>
```

<p>In my younger and more vulnerable years my father gave me some advice that I've been turning over in my mind ever since. 'Whenever you feel like criticizing anyone,' he told me, 'just remember that all the people in this world haven't had the advantages that you've had.'

```
</body>
```

```
</html>
```

```
<!-- 10. Set text color to red, for the first line of the <p> element. -->
<!DOCTYPE html>
<html>
<head>
<style>
  p::first-line{
    color: red;
  }
</style>
</head>
<body>
<p>In my younger and more vulnerable years my father gave me some advice
that I've been turning over in my mind ever since. 'Whenever you feel like
criticizing anyone,' he told me, 'just remember that all the people in this world
haven't had the advantages that you've had.'</p>
</body>
</html>
```

In my younger and more vulnerable years my father gave me some advice that I've been turning over in my mind ever since. 'Whenever you feel like criticizing anyone,' he told me, 'just remember that all the people in this world haven't had the advantages that you've had.'

11. Set the transparency/opacity of the element to “0.4”. (Use image saved in your device)

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<style>
```

```
</style>
```

```
</head>
```

```
<body>
```

```

```

```
</body>
```

```
</html>
```

```
<!-- 11. Set the transparency/opacity of the <img> element to "0.4". (Use  
image saved in your device) -->  
<!DOCTYPE html>  
<html>  
<head>  
<style>  
    img{  
        opacity: 0.4;  
    }  
</style>  
</head>  
<body>  
  
</body>  
</html>
```



12. Remove the transparency/opacity of the element when the user hovers over it with the mouse pointer.

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<style>
```

```
img {  
  opacity: 0.4;  
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```

```

```
</body>
```

</html>

```
<!-- 12. Remove the transparency/opacity of the <img> element when the
user hovers over it with the mouse pointer. -->
<!DOCTYPE html>
<html>
<head>
<style>
img {
opacity: 0.4;
}
img:hover{
    opacity: 1;
}
</style>
</head>
<body>

</body>
</html>
```

13. Add a scrollbar to the <div> element.

```
<!DOCTYPE html>
<html>
<head>
<style>
div {
background-color: #eee;
width: 200px;
height: 70px;
border: 1px dotted black;
}
</style>
</head>
<body>
```

<div>

<p>In my younger and more vulnerable years my father gave me some advice that I've been turning over in my mind ever since.</p> <p>'Whenever you feel like criticizing anyone,' he told me, 'just remember that

all the people in this world haven't had the advantages that you've had.'</p>
</div>

</body>

</html>

```
<!-- 13. Add a scrollbar to the <div> element. -->
<!DOCTYPE html>
<html>
<head>
<style>
div {
background-color: #eee;
width: 200px;
height: 70px;
border: 1px dotted black;
overflow: scroll;
}
</style>
</head>
<body>
<div>
<p>In my younger and more vulnerable years my father gave me some
advice that I've been turning over in my mind ever since.</p>
<p>'Whenever you feel like criticizing anyone,' he told me, 'just remember that

all the people in this world haven't had the advantages that you've had.'</p>
</div>
</body>
</html>
```

← → ↻ ⓘ 127.0.0.1:5500/WPP/L10/l10q13.html

In my younger and more
vulnerable years my father
gave me some advice that I've

14. Add a horizontal scrollbar to <div>.

<!DOCTYPE html>

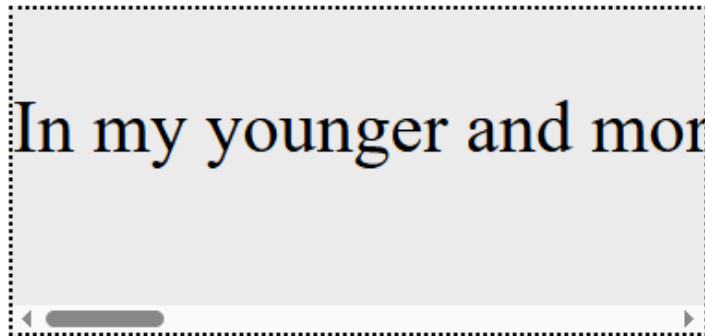
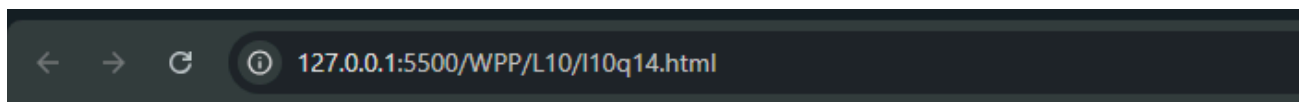
<html>

```
<head>
<style>
div {
background-color: #eee;
width: 150px;
height: 70px;
border: 1px dotted black;
white-space: nowrap;
}
</style>
</head>
<body>

<div>
<p>In my younger and more vulnerable years my father gave me some
advice that I've been turning over in my mind ever since.</p> </div>

</body>
</html>
```

```
<!-- 14. Add a horizontal scrollbar to <div>. -->
<!DOCTYPE html>
<html>
<head>
<style>
div {
background-color: #eee;
width: 150px;
height: 70px;
border: 1px dotted black;
white-space: nowrap;
overflow-x: scroll;
}
</style>
</head>
<body>
<div>
<p>In my younger and more vulnerable years my father gave me some
advice that I've been turning over in my mind ever since.</p>
</div>
</body>
</html>
```



15. Position the `<h1>` element to always be 50px from the top, and 50px from the right, relative to the window/frame edges.

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<style>
```

```
h1 {
```

```
  color: red;
```

```
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<h1>This is a Heading</h1>
```

```
<p>This is a paragraph.</p>
```

```
<p>This is another paragraph.</p>
```

```
</body>
```

```
</html>
```

```
<!-- 15. Position the <h1> element to always be 50px from the top, and 50px  
      from the right, relative to the window/frame edges. -->  
<!DOCTYPE html>  
<html>  
<head>  
<style>
```



```
h1 {  
  color: red;  
  transform: translate(50px,50px);  
}  
</style>  
</head>  
<body>  
<h1>This is a Heading</h1>  
<p>This is a paragraph.</p>  
<p>This is another paragraph.</p>  
</body>  
</html>
```

← → ↻ ⓘ 127.0.0.1:5500/WPP/L10/l10q15.html

This is a paragraph **This is a Heading**

This is another paragraph.