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

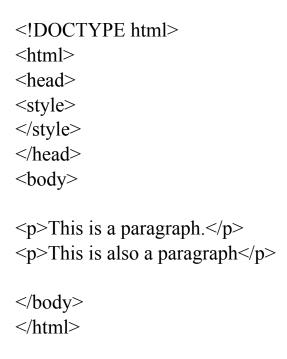
paragraph, not inside a div element.
4. Change the color of all  elements, that are immediate children of <div> elements, to "red".</div>
html <html> <head> <style></td></tr><tr><td></style> </head> <body></body></html>
<div>This is a paragraph inside a div element. This is another paragraph inside a div element. <span>This a paragraph inside a span element, inside a div element. </span> </div>
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  element that is directly after <div> elements, to "red".</div>
html <html> <head> <style></td></tr><tr><td></style> </head></html>

```
<body>
<div>
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.</span>
</div>
This is a paragraph, not inside a div element. This is another
paragraph, not inside a div element.
</body>
</html>
6. Change the color of  elements, that are the siblings of a <div>
element, to "red".
<!DOCTYPE html>
<html>
<head>
<style>
</style>
</head>
<body>
<div>
This is a paragraph inside a div element. This is another
paragraph inside a div element. <span>This a paragraph inside a span
element, inside a div element.</span>
</div>
This is a paragraph, not inside a div element. This is another
paragraph, not inside a div element.
</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 */
background-color: yellow;
</style>
</head>
<body>
<h1>This is a Heading</h1>
This is a paragraph.
<a href="https://abc.com">abc.com</a>
</body>
</html>
```

8. Set the background color of  elements, that are the first	child	of any
element, to "lightblue".		



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

10. Set text color to red, for the first line of the  element.
html <html> <head> <style></td></tr><tr><td></style> </head> <body></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 <img/> element to "0.4". (Use image saved in your device)
html <html> <head> <style></th></tr><tr><th></style> </head> <body></body></html>
<img height="113" src="Sample.jpg" width="150"/>

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;
</style>
</head>
<body>
<img src="klematis.jpg" width="150" height="113">
</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>
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.'
</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;
</style>
</head>
<body>
<div>
In my younger and more vulnerable years my father gave me some
advice that I've been turning over in my mind ever since.
</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>
This is a paragraph.
This is another paragraph.
</body>
</html>
```