Ayush Goyal
190905522

<div align="center">OST Lab 6 (Session 3)</div>
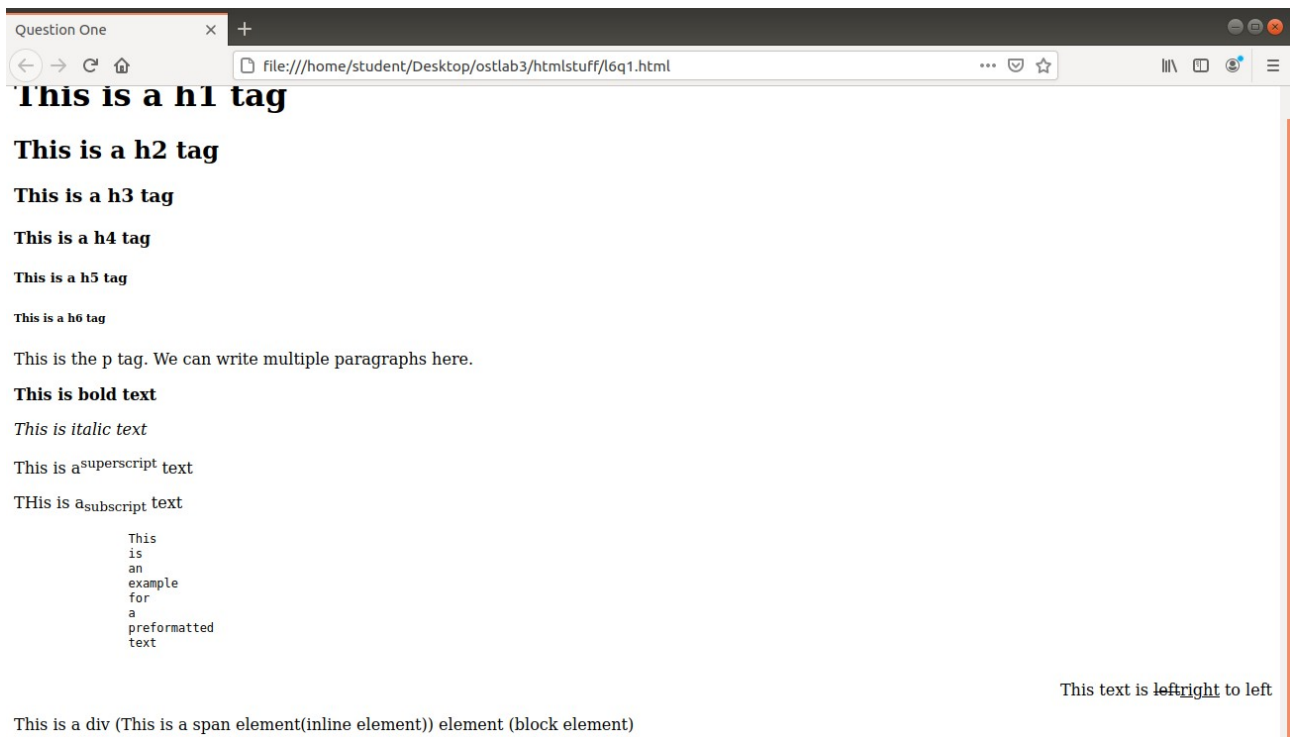
Q9)

```
<!DOCTYPE html>
<html>
    <head>
        <title>Question One</title>
    </head>

    <body>
        <h1>This is a h1 tag</h1>
        <h2>This is a h2 tag</h2>
        <h3>This is a h3 tag</h3>
        <h4>This is a h4 tag</h4>
        <h5>This is a h5 tag</h5>
        <h6>This is a h6 tag</h6>

        <p>This is the p tag. We can write multiple paragraphs here.</p><p><b>This is bold
        text</b></p>
        <p><i>This is italic text</i></p>
        <p>This is a<sup>superscript</sup> text</p>
        <p>THis is a<sub>subscript</sub> text</p>
        <pre>
            This
            is
            an
            example
            for
            a
            preformatted
            text
        </pre>
        <p dir="rtl">This text is <del>left</del><ins>right</ins> to left</p>
        <div>This is a div <span>(This is a span element(inline element))</span> element
(block element)</div>
    </body>
</html>
```

file:///home/student/Desktop/ostlab3/htmlstuff/l6q1.html

This is a h1 tag

This is a h2 tag

This is a h3 tag

This is a h4 tag

This is a h5 tag

This is a h6 tag

This is the p tag. We can write multiple paragraphs here.

This is bold text

This is italic text

This is a^{superscript} text

THis is a$_{subscript}$ text

```
This
is
an
example
for
a
preformatted
text
```

This text is ~~left~~right to left

This is a div (This is a span element(inline element)) element (block element)

Q10)

```
<!DOCTYPE html>
<html>
        <head>
                <title>Question Two</title>
        </head>
        <body>
                <a href="https://www.google.com">This is a hyperlink.</a>
                <br>
                <a href="https://www.google.com"><img src="index.jpeg" /></a><br>
                <a target="_blank" href="https://google.com">This will open in new window</a>
                <br>
                <a href="#1">Para A</a>
                <a href="#2">Para B</a>
                <a href="#3">Para C</a>
                <a href="#4">Para D</a>
                <a href="#5">Para E</a>
                <p id="1">
                        Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec tincidunt
efficitur mauris eu luctus. Nunc dignissim elit non semper fermentum. Praesent at augue non metus
sagittis luctus. Vivamus sed lorem quis urna imperdiet mollis. Vestibulum fermentum, lorem ut
rhoncus interdum, quam ligula consectetur nisi, vitae luctus mauris magna sed neque. Vestibulum
congue lacinia lorem, consectetur hendrerit erat pretium sit amet. Phasellus porttitor dictum
tincidunt. Vivamus aliquam mi odio, sit amet egestas orci volutpat sit amet. In luctus vehicula tellus
nec vestibulum. Ut sed lacinia dolor. Pellentesque auctor ante in feugiat tempor. Morbi cursus
```

vehicula nulla at vulputate. Suspendisse porta turpis eget diam sollicitudin, non accumsan velit pellentesque. Ut hendrerit rutrum libero, vel elementum erat faucibus at.
            </p>
            <p id="2">
                        Praesent ultrices, quam in pretium mollis, lorem nunc dictum est, a tempus diam risus quis eros. Vestibulum fringilla volutpat pellentesque. Cras orci risus, consectetur at erat venenatis, semper luctus lacus. Donec ornare maximus ipsum feugiat consequat. Maecenas pellentesque scelerisque augue, ac placerat tortor ultrices eu. Donec suscipit elit vitae est mollis, sit amet mollis metus egestas. Nunc euismod auctor felis vitae auctor. Morbi dapibus eu tellus quis consectetur. Donec tortor erat, ullamcorper at metus eu, posuere pharetra dolor. Mauris interdum justo metus, quis placerat tellus dapibus a. Proin vel sem et ex viverra tincidunt. Aenean quam ex, pellentesque efficitur dui eget, gravida consequat eros. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia curae; Nunc in dui eu arcu finibus venenatis eu et ipsum.
            </p>
            <p id ="3">
                        Fusce non odio tristique, tempus urna non, dictum risus. Phasellus eget libero at orci sagittis congue. Pellentesque ut malesuada eros. Phasellus euismod rutrum ex id imperdiet. Donec sem ante, semper et ultricies vel, mattis nec felis. Aliquam erat volutpat. Proin blandit nisl urna, et luctus augue consectetur imperdiet. Vivamus venenatis mi tortor, vitae fringilla nisi dapibus et. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Morbi sollicitudin id metus vitae tristique. Sed ultricies egestas ultricies. Nullam hendrerit, est vel tincidunt sodales, lacus felis auctor arcu, sed posuere augue augue scelerisque sem. Proin accumsan luctus leo, ut tincidunt augue dapibus non. Nunc a odio sit amet arcu scelerisque rutrum vel at mauris. Duis mollis orci quis quam sollicitudin, a hendrerit orci finibus.
            </p>
            <p id ="4">
                        Fusce hendrerit euismod ipsum, ut interdum ipsum luctus vel. Aliquam pretium nibh tortor, a ullamcorper sapien pharetra ut. Curabitur luctus, sem pellentesque malesuada aliquet, sapien eros maximus ante, nec suscipit diam turpis eget neque. Nam pellentesque enim ac ante efficitur, nec interdum erat volutpat. Praesent nisl mauris, tristique ut lacus ut, dignissim finibus neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Aliquam efficitur vehicula felis et vehicula. Cras tempus scelerisque odio, eget auctor massa convallis at. In posuere, enim et consectetur mattis, nunc quam imperdiet nibh, ut dapibus elit neque quis tellus. Aliquam tellus turpis, facilisis quis sem vitae, condimentum ullamcorper dolor. Sed varius a ex sed efficitur. Maecenas consectetur fringilla lacus, ut interdum ex scelerisque id. Donec tincidunt et justo non pretium. Praesent in sem nec neque imperdiet viverra. Aenean tincidunt condimentum blandit. Donec a blandit dolor.
            </p>
            <p id = "5">
                        Vestibulum non justo velit. Nam sagittis nibh non nibh malesuada gravida. Morbi sagittis in justo ac vehicula. Nulla non nisl ullamcorper arcu scelerisque luctus ornare eu massa. Nunc ac neque sagittis, tempor nunc non, ultrices mauris. Donec vitae lacus id dolor tempus maximus. Aenean sed tempus tellus, sit amet euismod erat. Aliquam erat volutpat.
            </p>
        </body>
</html>

This is a hyperlink.

This will open in new window
Para A Para B Para C Para D Para E

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec tincidunt efficitur mauris eu luctus. Nunc dignissim elit non semper fermentum. Praesent at augue non metus sagittis luctus. Vivamus sed lorem quis urna imperdiet mollis. Vestibulum fermentum, lorem ut rhoncus interdum, quam ligula consectetur nisi, vitae luctus mauris magna sed neque. Vestibulum congue lacinia lorem, consectetur hendrerit erat pretium sit amet. Phasellus porttitor dictum tincidunt. Vivamus aliquam mi odio, sit amet egestas orci volutpat sit amet. In luctus vehicula tellus nec vestibulum. Ut sed lacinia dolor. Pellentesque auctor ante in feugiat tempor. Morbi cursus vehicula nulla at vulputate. Suspendisse porta turpis eget diam sollicitudin, non accumsan velit pellentesque. Ut hendrerit rutrum libero, vel elementum erat faucibus at.

Praesent ultrices, quam in pretium mollis, lorem nunc dictum est, a tempus diam risus quis eros. Vestibulum fringilla volutpat pellentesque. Cras orci risus, consectetur at erat venenatis, semper luctus lacus. Donec ornare maximus ipsum feugiat consequat. Maecenas pellentesque scelerisque augue, ac placerat tortor ultrices eu. Donec suscipit elit vitae est mollis, sit amet mollis metus egestas. Nunc euismod auctor felis vitae auctor. Morbi dapibus eu tellus quis consectetur. Donec tortor erat, ullamcorper at metus eu, posuere pharetra dolor. Mauris interdum justo metus, quis placerat tellus dapibus a. Proin vel sem et ex viverra tincidunt. Aenean quam ex, pellentesque efficitur dui eget, gravida consequat eros. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia curae; Nunc in dui eu arcu finibus venenatis eu et ipsum.

Fusce non odio tristique, tempus urna non, dictum risus. Phasellus eget libero at orci sagittis congue. Pellentesque ut malesuada eros. Phasellus euismod rutrum ex id imperdiet. Donec sem ante, semper et ultricies vel, mattis nec felis. Aliquam erat volutpat. Proin blandit nisl urna, et luctus augue consectetur imperdiet. Vivamus venenatis mi tortor, vitae fringilla nisi dapibus et. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Morbi sollicitudin id metus vitae tristique. Sed ultricies egestas ultricies. Nullam hendrerit, est vel tincidunt sodales, lacus felis auctor arcu, sed posuere augue augue scelerisque sem. Proin accumsan luctus leo, ut tincidunt augue dapibus non. Nunc a odio sit amet arcu scelerisque rutrum vel at mauris. Duis mollis orci quis quam sollicitudin, a hendrerit orci finibus.

Fusce hendrerit euismod ipsum, ut interdum ipsum luctus vel. Aliquam pretium nibh tortor, a ullamcorper sapien pharetra ut. Curabitur luctus, sem

Q11)

```html
<!DOCTYPE html>
<html>
        <head>
                <title>Question Three</title>
        </head>
        <body>
                <img src="index.jpeg"/>
        <br>
        <img src="index.jpeg" width="200" height="200"/>
        <br>
        <img src="index.jpeg" align="right"/>
        <br>
        <a href="https://google.com"><img src="index.jpeg"></a>
        <br>
        <img src="index.jpeg" usemap="#workmap">

                <map name="workmap">
        <area shape="rect" coords="0,0,50,50" alt="sky" href="https://google.com">
        <area shape="circle" coords="100,100, 50" alt="elephant"
href="https://www.w3schools.com">
        </map>
        </body>
</html>
```
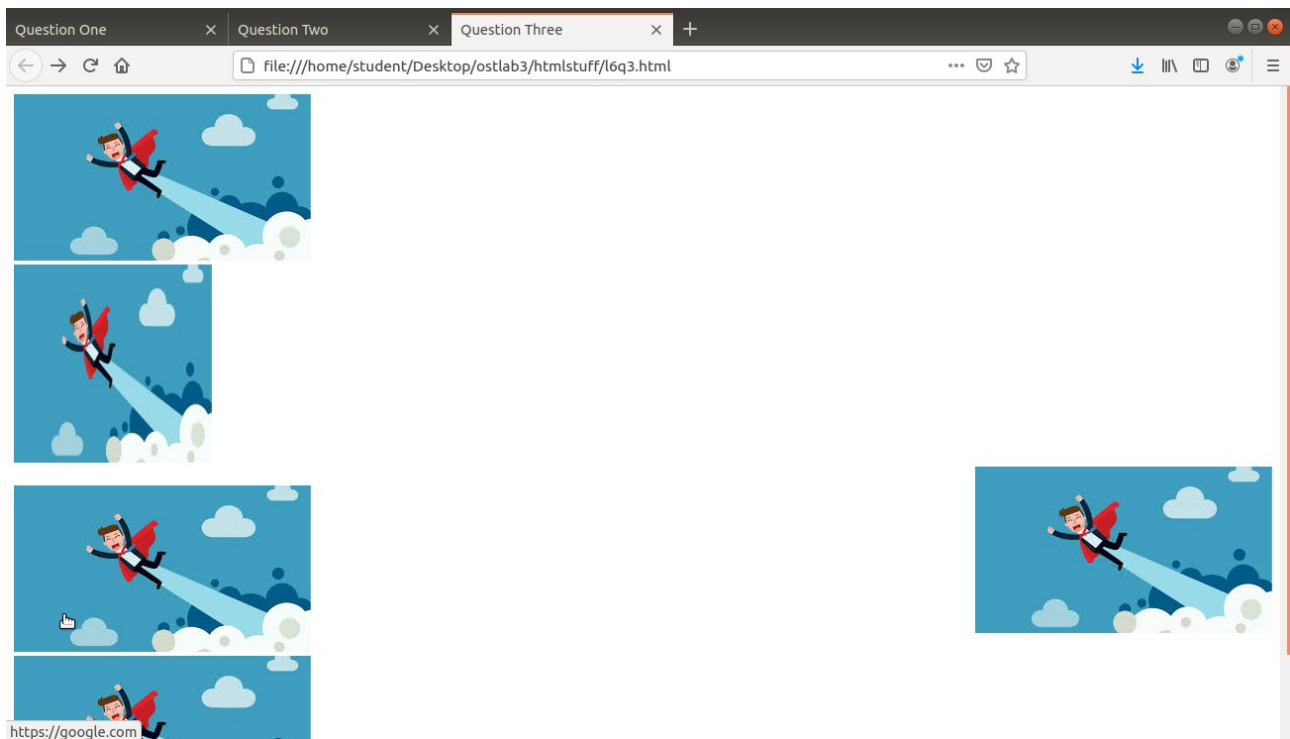
Q12)

```
<!DOCTYPE html>
<html>
      <head>
            <title>Question Four</title>
      </head>
      <body>
            <table>
    <caption>This is the first table</caption>
    <tr>
      <th>first</th>
      <th>second</th>
      <th>third</th>
    </tr>
    <tr>
      <td>content 1</td>
      <td>content 2</td>
      <td>content 3</td>
    </tr>
    <tr>
      <td>content 4</td>
      <td>content 5</td>
      <td>content 6</td>
    </tr>
  </table>
  <br>
  <table border="2px" cellspacing="10px">
    <caption>This is the second table</caption>
```
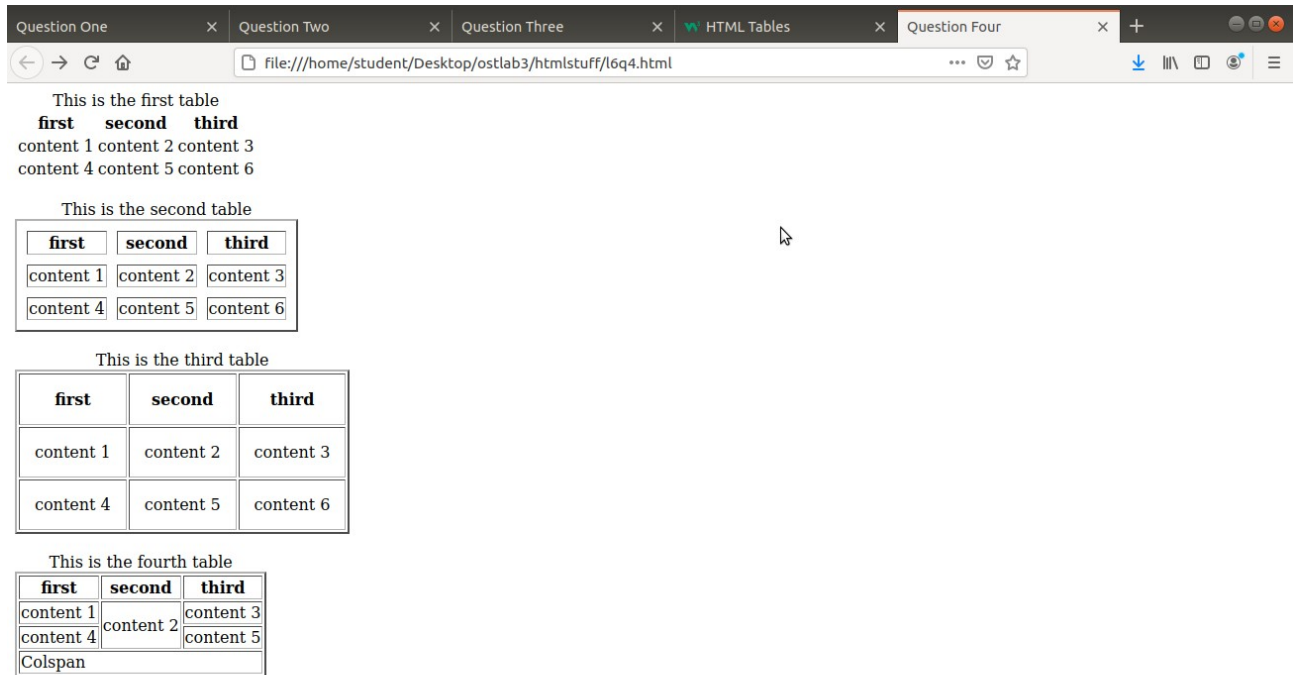
```
      <tr>
         <th>first</th>
         <th>second</th>
         <th>third</th>
      </tr>
      <tr>
         <td>content 1</td>
         <td>content 2</td>
         <td>content 3</td>
      </tr>
      <tr>
         <td>content 4</td>
         <td>content 5</td>
         <td>content 6</td>
      </tr>
   </table>
   <br>
   <table border="2px" cellpadding="15px" >
      <caption>This is the third table</caption>
      <tr>
         <th >first</th>
         <th>second</th>
         <th>third</th>
      </tr>
      <tr>
         <td>content 1</td>
         <td>content 2</td>
         <td>content 3</td>
      </tr>
      <tr>
         <td>content 4</td>
         <td>content 5</td>
         <td>content 6</td>
      </tr>
   </table>
   <br>
   <table border="2px">
      <caption>This is the fourth table</caption>
      <tr>
         <th>first</th>
         <th>second</th>
         <th>third</th>
      </tr>
      <tr>
         <td>content 1</td>
         <td rowspan="2">content 2</td>
         <td>content 3</td>
      </tr>
      <tr>
         <td>content 4</td>
         <td>content 5</td>
      </tr>
```

```
        <tr>
            <td colspan="3">Colspan</td>
        </tr>
    </table>
        </body>
</html>
```


Q13)

```
<!DOCTYPE html>
<html>
<head>
        <title>Question Five</title>
</head>
<body>
        <h3>This is an ordered list</h3>
    <ol>
        <li>First</li>
        <li>Second</li>
        <li>Third</li>
        <li>Fourth</li>
    </ol>
    <h3>This is an unordered list</h3>
    <ul>
        <li>First</li>
        <li>Second</li>
        <li>Third</li>
        <li>Fourth</li>
    </ul>
    <h3>This is a definition list</h3>
    <dl>
```
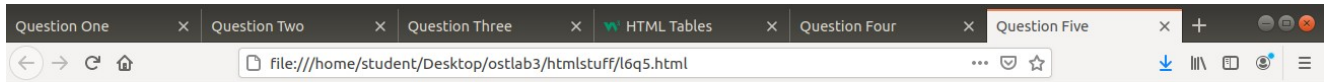
```
        <dt>First</dt>
        <dd>First's Definition</dd>
        <dt>Second</dt>
        <dd>Second's Definition</dd>
    </dl>
</body>
</html>
```


Q14)

```
<!DOCTYPE html>
<html>
<head>
        <title>Question Six</title>
</head>
<body>
        <h2>This is a form.</h2>
        <form>
                <fieldset><legend>Text</legend>
                <label for="tif">Text Input Field:</label><br>
                <input type="text" id="tif" name="tif"><br>
                <label for="pif">Password Input Field:</label><br>
                <input type="text" id="pif" name="pif">
                </fieldset>
```

```html
			<br>
			<fieldset><legend>CheckBoxes and Radio Buttons</legend>
			<input type="checkbox" id="firstcheckbox" name="firstcheckbox" value="one">
			<label for="firstcheckbox"> First Checkbox</label><br>
			<input type="checkbox" id="secondcheckbox" name="secondcheckbox"
			value="two">
			<label for="secondcheckbox"> Second Checkbox</label><br>
			<input type="checkbox" id="thirdcheckbox" name="thirdcheckbox" value="three">
			<label for="thirdcheckbox"> Third Checkbox</label>
			<br>
			<input type="radio" id="male" name="gender" value="male">
			<label for="male">First Radio Button</label><br>
			<input type="radio" id="female" name="gender" value="female">
			<label for="female">Second Radio Button</label><br>
			<input type="radio" id="other" name="gender" value="other">
			<label for="other">Third Radio Button</label>
			</fieldset>
			<br>
	<fieldset>
	   <legend>Dropdowns</legend>

	<label for="cars">Dropdown</label>
	<select name="cars" id="cars">
	    <option value="select">Select</option>
	    <option value="bmw">BMW</option>
	    <option value="mercedes">Mercedes</option>
	    <option value="audi">Audi</option>
	</select> <br><br>
	<label for="cars">Dropdown</label>
	<select name="cars" id="cars">
	    <option value="select">Select</option>
	    <option value="bmw">BMW</option>
	    <option value="mercedes">Mercedes</option>
	    <option value="audi" selected>Audi</option>
	</select> </fieldset><fieldset><legend>Submit</legend>
	<label for="textarea">Text Area</label><br>
	<textarea name="textarea"></textarea><br><br>
	<input type="submit" name="submit" value="Submit">
	<input type="reset" name="reset" value="Reset"></fieldset>
   </form>
</body>
</html>
```

This is a form.

Text
Text Input Field:
Ayush
Password Input Field:
1234

CheckBoxes and Radio Buttons
☑ First Checkbox
☐ Second Checkbox
☑ Third Checkbox
○ First Radio Button
◉ Second Radio Button
○ Third Radio Button

Dropdowns
Dropdown BMW ▾

Dropdown Select ▾

Submit
Text Area
Thank you for
reading!

Submit   Reset

Q15)

HTML FILE:

```
<!DOCTYPE html>
<html>
<head>
    <title>Question Seven</title>
    <link rel="stylesheet" type="text/css" href="index.css">
    <style type="text/css">
      body{
          background-color: cyan;
      }
      div{
          border: 2px solid blue;
          border-radius: 5px;
      }
    </style>
</head>
<body>
<h1 style="text-align: center;">This is a h1 tag</h1>
    <h2>This is a h2 tag</h2>
    <h3>This is a h3 tag</h3>
    <h4>This is a h4 tag</h4>
    <h5>This is a h5 tag</h5>
    <h6>This is a h6 tag</h6>
<p style="font-family: sans-serif;">This is the p tag. We can write multiple paragraphs here.</p>
```

```html
<p><b>This is bold text</b></p>
<p><i>This is italic text</i></p>
<p>This is<sup>superscript</sup> text</p>
<p>THis is<sub>subscript</sub> text</p>
<pre>
   This
        is
             a
        preformatted
   text
</pre>
<p style="text-align: right;">This text is <del>left</del><ins>right</ins> to left</p>
<div>This is a div <span>(This is a span element(inline element))</span> element (block
element)</div>
</body>
</html>
```
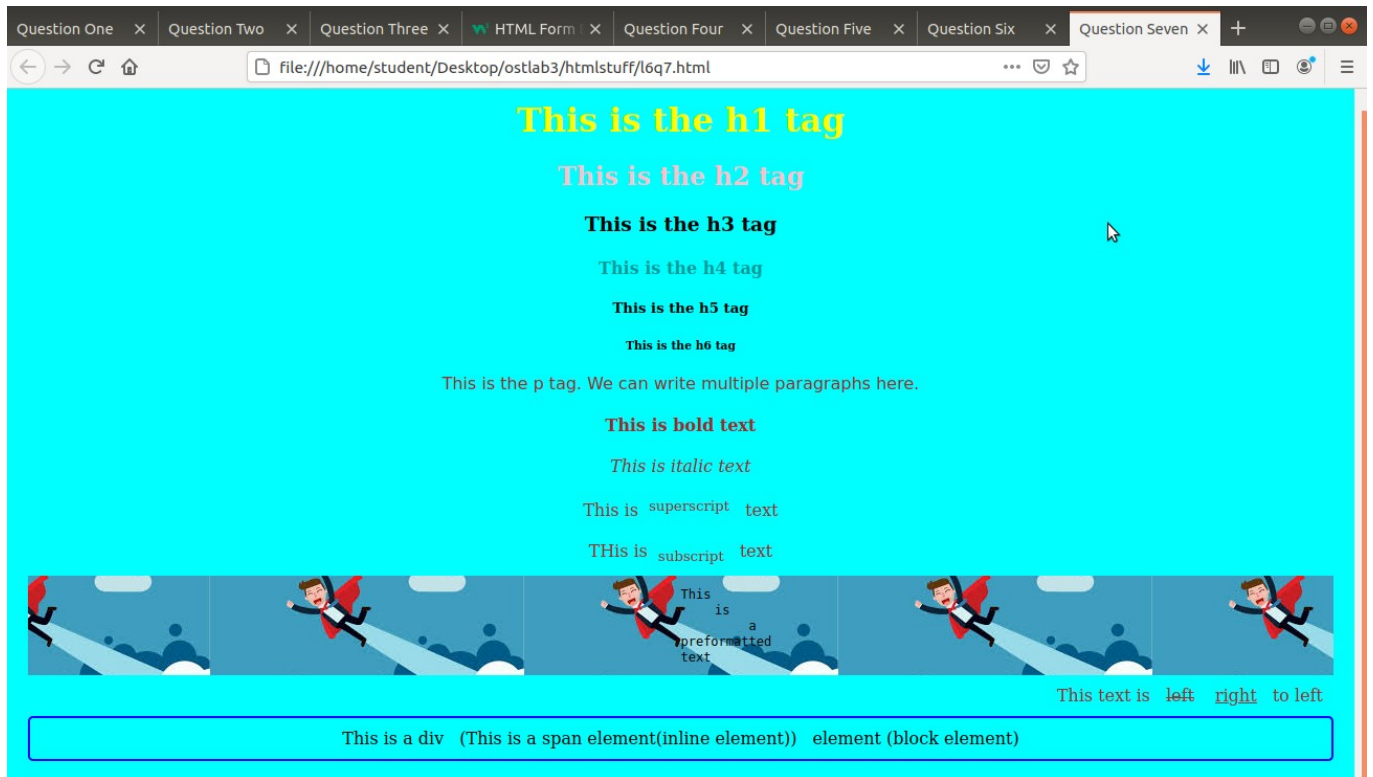
CSS FILE:

```css
*{
   padding:10px;
   margin: 0px;
   text-align: center;
}
```

```css
p{
   color: brown;
}
```

```css
h1{
   color:yellow;
}
h2{
   color:pink;
}
h4{
   opacity: 0.4;
}
```

```css
pre{
   background-image: url(index.jpeg);
   background-position: center;
}
```

Q16)

```
<!DOCTYPE html>
<html>
<head>
        <title>Question Eight</title>
</head>
<body>
        <canvas id ="myCanvas" width ="200" height= "200" style="border:1px solid
#000;"></canvas>
        <script>
                var c = document.getElementById("myCanvas");
                var ctx = c.getContext("2d");
                ctx.moveTo(0, 0);
                ctx.lineTo(200, 200);
                ctx.stroke();
        </script>
</body>
</html>
```
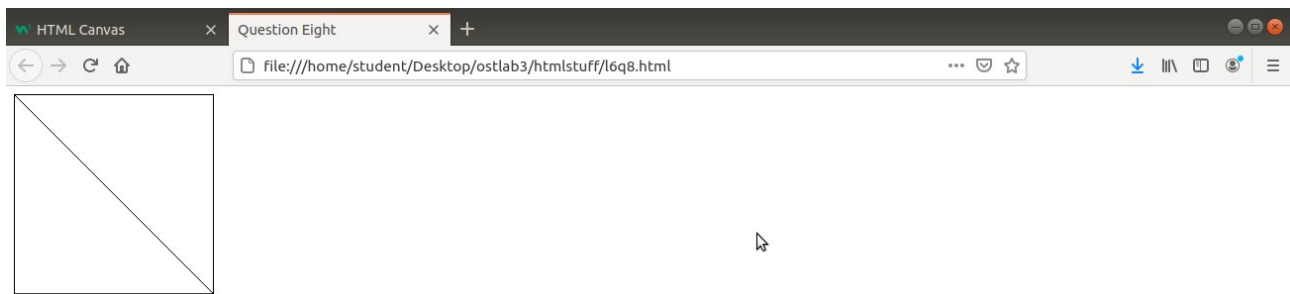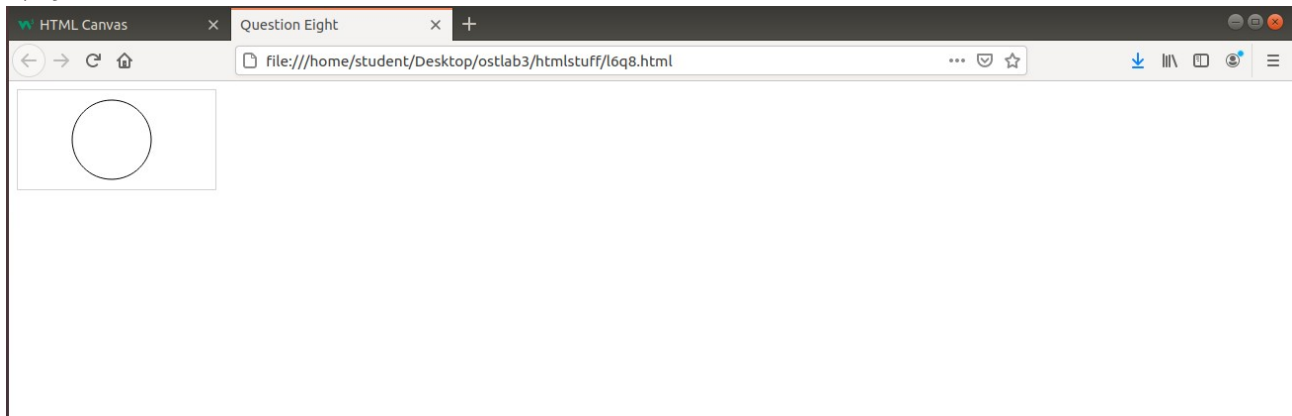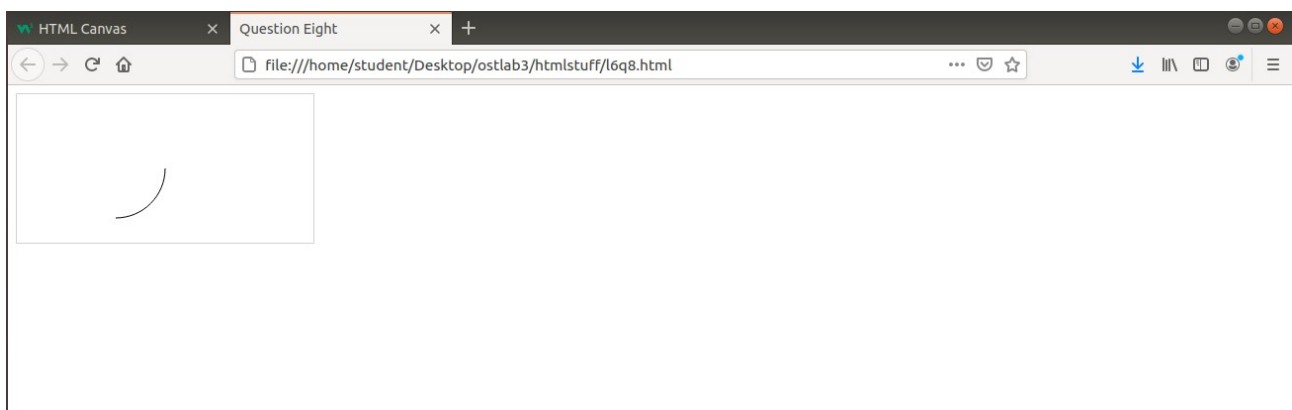
```
<!DOCTYPE html>
<html>
<head>
        <title>Question Eight</title>
</head>
<body>
<canvas id="myCanvas" width="300" height="150" style="border:1px solid #d3d3d3;"></canvas>
<script>
var c = document.getElementById("myCanvas");
var ctx = c.getContext("2d");
ctx.beginPath();
ctx.rect(20, 20, 150, 100);
ctx.stroke();</script>
</body>
</html>
```
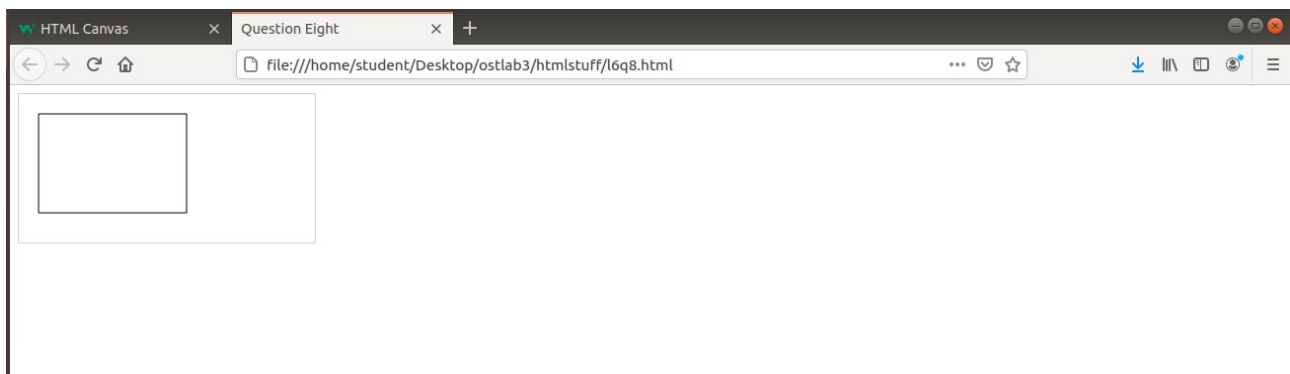


```
<!DOCTYPE html>
<html>
<head>
        <title>Question Eight</title>
</head>
<body>
<canvas id="myCanvas" width="200" height="100" style="border:1px solid #d3d3d3;"></canvas>
<script>
var c = document.getElementById("myCanvas");
var ctx = c.getContext("2d");
ctx.beginPath();
ctx.arc(95,50,40,0,2*Math.PI);
ctx.stroke();
```

```
</script>
</body>
</html>
```



```
<!DOCTYPE html>
<html>
<head>
        <title>Question Eight</title>
</head>
<body>
<canvas id="myCanvas" width="300" height="150" style="border:1px solid #d3d3d3;"></canvas>
<script>
var c = document.getElementById("myCanvas");
var ctx = c.getContext("2d");
ctx.beginPath();
ctx.arc(100, 75, 50, 0, 0.5 * Math.PI);
ctx.stroke();
</script>
</body>
</html>
```



```
<!DOCTYPE html>
<html>
<head>
        <title>Question Eight</title>
</head>
<body>
<canvas id="myCanvas" width="300" height="150" style="border:1px solid #d3d3d3;"></canvas>
<script>
```
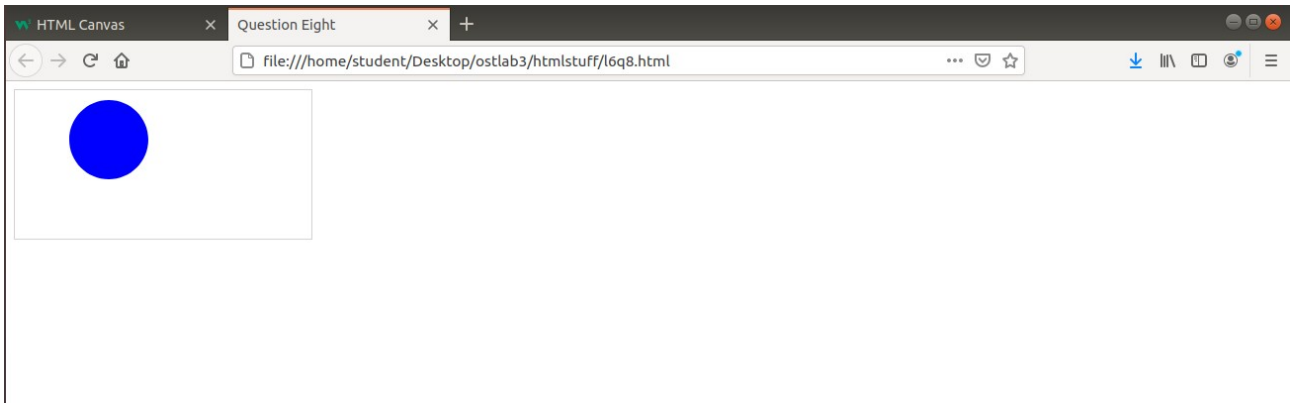
```
var cir2 = document.getElementById("myCanvas");
    var circir2 = cir2.getContext("2d");
    circir2.beginPath();
    circir2.arc(95, 50, 40, 0, 2 * Math.PI);
    circir2.fillStyle = "blue";
    circir2.fill();
</script>
</body>
</html>
```



```
<!DOCTYPE html>
<html>
<head>
        <title>Question Eight</title>
</head>
<body>
<canvas id="myCanvas" width="300" height="150" style="border:1px solid #d3d3d3;"></canvas>
<script>
var c = document.getElementById("myCanvas");
var ctx = c.getContext("2d");
var grd = ctx.createLinearGradient(0,0,200,0);
grd.addColorStop(0,"red");
grd.addColorStop(1,"white");
ctx.fillStyle = grd;
ctx.fillRect(10,10,150,80);
</script>
</body>
</html>
```
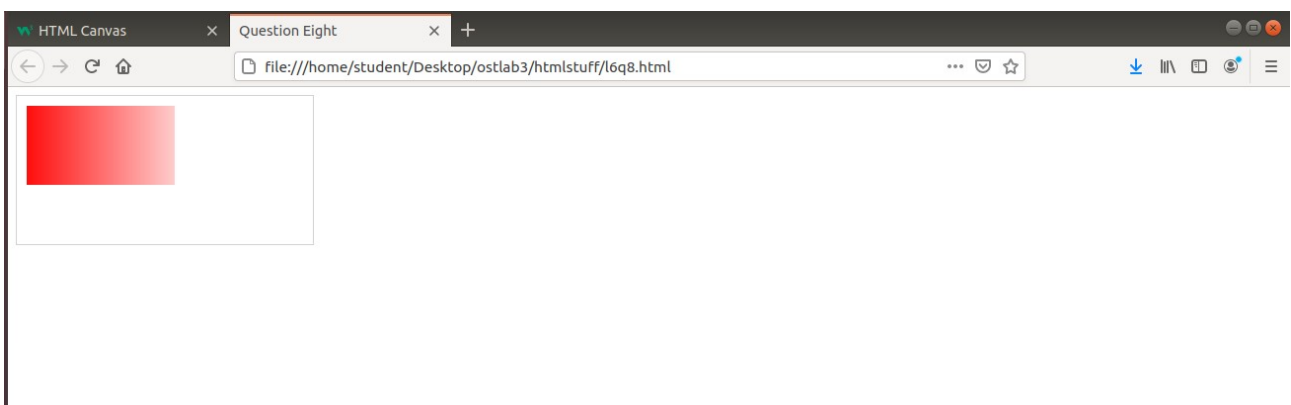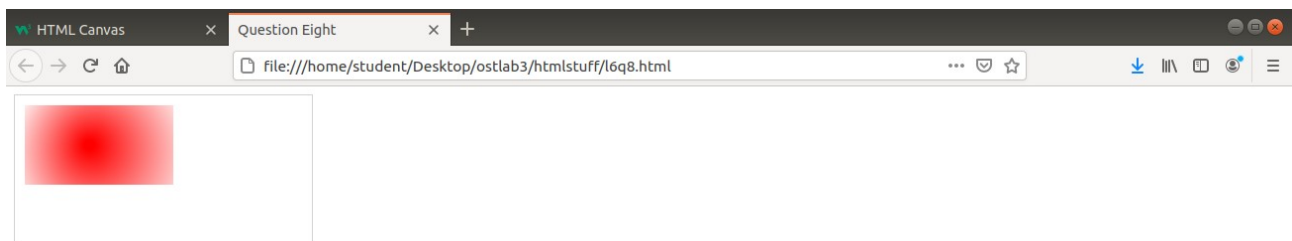
```
<!DOCTYPE html>
<html>
<head>
        <title>Question Eight</title>
</head>
<body>
<canvas id="myCanvas" width="300" height="150" style="border:1px solid #d3d3d3;"></canvas>
<script>
var c = document.getElementById("myCanvas");
var ctx = c.getContext("2d");
var grd = ctx.createRadialGradient(75,50,5,90,60,100);
grd.addColorStop(0,"red");
grd.addColorStop(1,"white");
ctx.fillStyle = grd;
ctx.fillRect(10,10,150,80);
</script>
</body>
</html>
```



```
<!DOCTYPE html>
<html>
<head>
        <title>Question Eight</title>
</head>
<body>
<canvas id="myCanvas" width="300" height="150" style="border:1px solid #d3d3d3;">
canvas.</canvas>
<script>
var c = document.getElementById("myCanvas");
var ctx = c.getContext("2d");
ctx.lineWidth = 10;
ctx.strokeRect(20, 20, 80, 100);
</script>
</body>
</html>
```

```
<!DOCTYPE html>
<html>
<head>
        <title>Question Eight</title>
</head>
<body>
<canvas id="myCanvas" width="300" height="150" style="border:1px solid #d3d3d3;"></canvas>
<script>
var c = document.getElementById("myCanvas");
var ctx = c.getContext("2d");
ctx.strokeStyle = "#239505";
ctx.strokeRect(20, 20, 150, 100);
</script>
</body>
</html>
```