

SSN COLLEGE OF ENGINEERING, CHENNAI

UCS2611 – Internet Programming Lab

1. Write an HTML program to display the following using inline, embedded and external stylesheets:

Ques1.html

```
<!DOCTYPE html>
<html>
  <head>
    <title>Question 1</title>
    <style>
      /* body {
        background-color: yellow;
      } */
      .Tabspace {
        margin-left: 50px;
      }
      p{
        color:azure;
      }
    </style>
    <link rel="stylesheet" href="style.css">
  </head>
  <body>
    <p>Web programming is used to create websites, online stores, web applications, and other online services that are accessed through the Internet.</p>
    <div class="Tabspace">
      <p style="background-color: red;">Web programming languages like HTML, CSS, JavaScript, PHP, and Python are used to create these web-based applications.</p>
      <br>
      <p>Client Side Technologies are the tools and languages that run in the user's web browser, rather than on a web server.</p>
      <p>They determine how the content will be displayed to the end-user. </p>
      <p>Some popular client-side technologies you might have heard of include HTML, CSS, and JavaScript.</p>
      <br>
```

```
<p>The term 'server-side technologies can encompass a  
range of software solutions, </p>  
<p>mainly: server-side scripting languages;</p>  
<p>Database Management Systems (DBMS); web server  
software such as Apache;</p>  
<p>and many other technologies depending upon the  
application being built.</p>  
</div>  
</body>  
</html>
```

Style1.css

```
body{  
    background-image:  
url("https://images.pexels.com/photos/1229042/pexels-photo-  
1229042.jpeg?auto=compress&cs=tinysrgb&w=1260&h=750&dpr=1");  
    background-repeat: no-repeat;  
    background-size: cover;  
}
```

Output:

Web programming is used to create websites, web applications, and other online services that are accessed through the Internet.

Web programming languages like HTML, CSS, JavaScript, PHP, and Python are used to create these web-based applications.

Client Side Technologies are the tools and languages that run in the user's web browser, rather than on a web server.

They determine how the content will be displayed in the web page.

Some popular client-side technologies you might have heard of include HTML, CSS, and JavaScript.

The term 'server-side technologies can encompass a range of software solutions,

mainly: server-side scripting languages,

Database Management Systems (DBMS), web server software such as Apache,

and many other technologies depending upon the application being built.

2. Given the following style file and the output snapshot, write HTML code recreate the output.
Write down the types of selectors inheritance used in the code.

Ques2.html

```
<!DOCTYPE html>
<html>
  <head>
    <title>Question 2</title>
    <link rel="stylesheet" href="style2.css">
  </head>
  <body>
    <p>P tag - This is a sample Web Page</p>
    <div id="p2">one</div>
    <p id="p2">P tag - How are you?</p>
    <p><a href="https://snuchennai-entrance.codetantra.com/login.jsp" target="_blank">P tag - I am fine</a></p>
    <p><b>This is SSN College of Engineering</b></p>
    <div>
      <ol type="1" style="color:red">
        <li>One</li>
        <li>Two</li>
        <li>Three</li>
      </ol>
    </div>
    <div>
      <p id="box">
        What is the CSS Box Model? The CSS box model is a container that contains multiple properties including borders, margin, padding, and the content itself. It is used to create the design and layout of web pages. According to the CSS box model, the web browser supplies each element as a square prism.
      </p>
    </div>
  </body>
</html>
```

Style2.css

```
p{
  font-size:x-large;
  background-color: lime;
```

```
}

*{
    font-family: monospace;
}

a:link{color:black;}
a:visited{color:yellow;}
a:hover{color:blue;}
a:active{color:red;}

#p2{
    color:yellow
}

#box
{
    background-color: white;
    border: 10px dotted blue;
    width:32%;
    padding: 20px;
    margin:30px 20px;
}
```

Output:

P tag - This is a sample Web Page

one

P tag - How are you?

P tag - I am fine

This is SSN College of Engineering

1. One
2. Two
3. Three

.....

What is the CSS Box Model? The CSS box model is a container that contains multiple properties including borders, margin, padding, and the content itself. It is used to create the design and layout of web pages. According to the CSS box model, the web browser supplies each element as a square prism.

.....

3. Place html, body, div, span elements and highlight the boxes of these elements using different styles using border, margin, and padding properties of CSS box.

Ques3.html

```
<!DOCTYPE html>
<html>
  <head>
    <title>Question 3 </title>
    <link rel="stylesheet" href="style3.css">
  </head>
  <body>
    <div class="BlueBox">
      <div class="RedBox">
        <div class="PinkBox">
          <div id="div1">

          </div>
          <div id="div2">

          </div>
          <div id="div3">

          </div>
        </div>
      </div>
      <div id="cat">
        <div id="cat1">

        </div>
        <div id="cat2">

        </div>
        <div id="cat1">

        </div>
        <div id="cat2">

        </div>
      </div>
    </div>
  </body>
```

```
</html>
```

Style3.css

```
.BlueBox{
    border: dashed blue;
    margin: 10px;
    min-height: 90vh;
}

.RedBox{
    border: dashed red;
    margin: 10px;
    min-height: 90vh;
}

.PinkBox{
    border: solid purple;
    margin: 10px 700px 10px 10px;
    min-height: 45vh;
}

#div1{
    background-color: yellow;
    border: dashed green;
    margin: 20px 500px 20px 20px;
    min-height: 10vh;
}

#div2{
    background-color: yellow;
    border: dashed pink;
    margin: 10px 500px 20px 20px;
    min-height: 10vh;
}

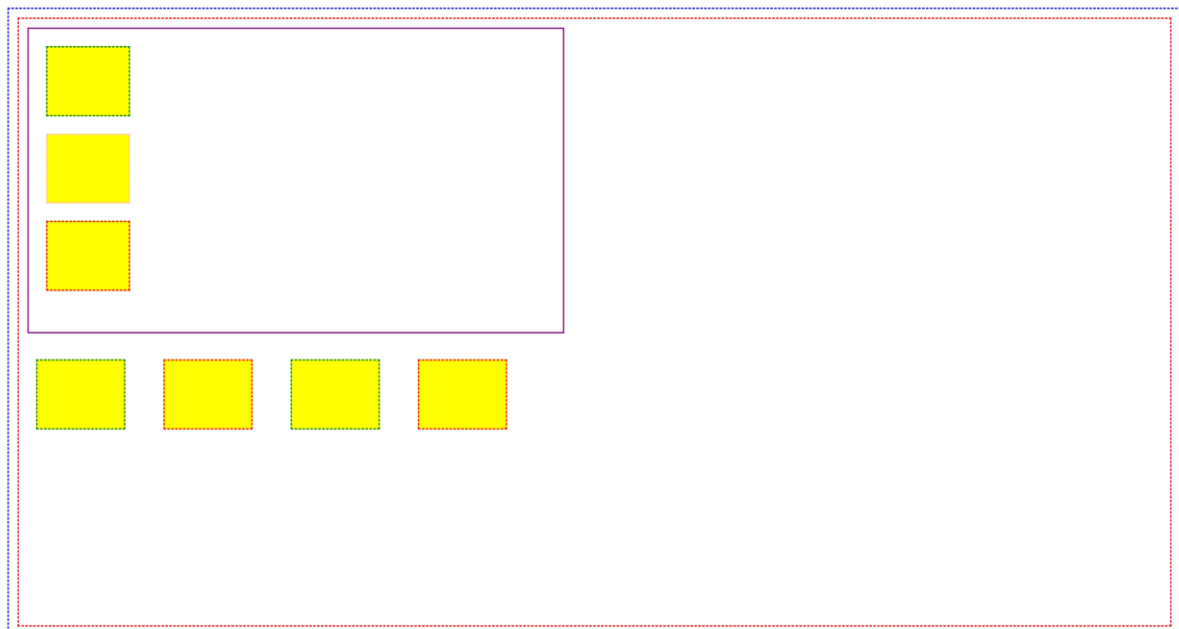
#div3{
    background-color: yellow;
    border: dashed red;
    margin: 10px 500px 20px 20px;
    min-height: 10vh;
}
```

```
#cat div{
  display: inline-block;
}

#cat1{
  background-color: yellow;
  border: dashed green;
  margin:20px 20px 20px 20px;
  min-height: 10vh;
  min-width: 100px;
}

#cat2{
  background-color: yellow;
  border: dashed red;
  margin:20px 20px 20px 20px;
  min-height: 10vh;
  min-width: 100px;
}
```

Output:



4. Place the background image and highlight the word *tree* using span element with the given style

Ques4.html

```
<!DOCTYPE html>
<html>
  <head>
    <title>Question 4</title>
    <link rel="stylesheet" href="style4.css">
  </head>
  <body>
    <div class="box">
      <div class="innerbox">
        <p>In botany, a <span>TREE</span> is a perennial
plant with an elongated stem, or trunk, usually supporting branches
and leaves. In some usages, the definition of a <span>TREE</span>
may be narrower, including only woody plants with secondary growth,
plants that are usable as lumber or plants above a specified height.
In wider definitions, the taller palms. <span>TREE</span> ferns,
bananas, and bamboos are also trees. Trees are not a monophyletic
taxonomic group but consist of a wide variety of plant species that
have independently evolved a trunk and branches as a way to tower
above other plants to compete for sunlight. The majority of
<span>TREE</span> species are angiosperms or hardwoods; of the rest.
many are gymnosperms or softwoods. Trees tend to be long-lived, some
reaching several thousand years old. Trees have been in existence
for 370 million years. It is estimated that there are around three
trillion mature trees in the world.</p>
      </div>
      
    </div>
  </body>
</html>
```

Style4.css

```
.box{
  border: dashed red;
  margin: 10px;
  min-height: 90vh;
}

.innerbox{
  border: solid blue;
```

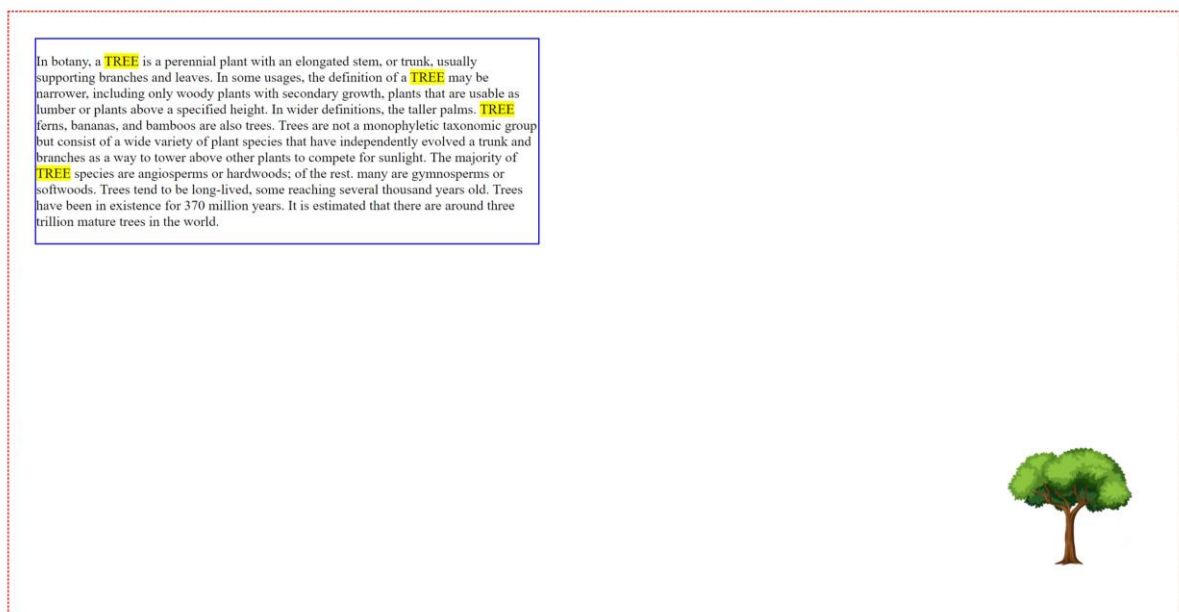


```
margin: 30px;
/* min-height: 50vh; */
width: 580px;
}

img{
width: 150px;
position: relative;
top:200px;
left: 85%;
}

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

Output:



5. Create the definition of fruits using background image and float the word *fruit* using the following style.

Ques5.html

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

```
<head>
  <title>Question 5</title>
</head>
<link rel="stylesheet" href="style5.css">
<body>
  <div class="box">
    <div class="tabspace">
      <p>Fruit is good for you, but what is the healthiest
fruit? All fruit offer health benefits, so include as much variety
as possible. "An apple a day keeps the doctor away." or so the
saying <span>Fruit</span> goes. Healthcare professionals know that
fruit is a highly nutritious, delicious, and convenient addition to
any diet. With more than 2.000 varieties of fruit available, you may
wonder which ones you should pick. Each type of fruit brings its own
unique set of nutrients and benefits to the table. The key is to eat
fruits of various colors, as each color provides adifferent set of
healthy nutrients.</p>
    </div>
    
    </div>
  </body>
</html>
```

Style5.css

```
.box{
  border: dashed blue;
  margin-left: 10px;
  min-height: 90vh;
  margin: 50px;
}

.tabspace{
  margin: 50px;
}

span{
  font-size: 40px;
}
```

```
img{  
  width: 400px;  
  position: relative;  
  top:200px;  
  left: 65%;  
}
```

Output:

Fruit is good for you, but what is the healthiest fruit? All fruit offer health benefits, so include as much variety as possible. "An apple a day keeps the doctor away." or so the saying **Fruit** goes. Healthcare professionals know that fruit is a highly nutritious, delicious, and convenient addition to any diet. With more than 2,000 varieties of fruit available, you may wonder which ones you should pick. Each type of fruit brings its own unique set of nutrients and benefits to the table. The key is to eat fruits of various colors, as each color provides a different set of healthy nutrients.

