

Practical List

Topics	Practical No.	Description	Release Date	Submission Date	Remarks and Sign of Subject Teacher
HTML & CSS	1	HTML Table with CSS	Aug 10,2023	Aug 28,2023	
	2	HTML Description List with CSS			
	3	HTML <div> and with CSS</div>			
	4	Positioning Properties using CSS			
	5	My Blog about my life			
	6	News Announcements			
	7	Curriculum Vitae			



HTML & CSS

Practical 1

Aim:

Create table with HTML and use CSS for basic designing as shown in the sample

Theory:

There are three ways that styles may be added to HTML code:

- 1. Inline
- 2. Internally
- 3. Externally

Shakespearneither knew chocolate
Charles M. Schulz All you need is love. But a little chocolate now an hurt Jo Brand Anything is good if it's made of chocolate Sandra Boynton The greatest tragedies were written by the Greeks ar Shakespearneither knew chocolate
hurt Jo Brand Anything is good if it's made of chocolate Sandra Boynton The greatest tragedies were written by the Greeks ar Shakespearneither knew chocolate
Sandra Boynton The greatest tragedies were written by the Greeks and Shakespearneither knew chocolate
Shakespearneither knew chocolate
Michael Levine Chemically speaking, chocolate is the world's perfect food

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Practical-1</title>
</head>
<body>

    <h1>My Favorite Chocolates </h1>

        cto class="td-border">Dairy milk

        ctd class="td-border">Galaxy
```



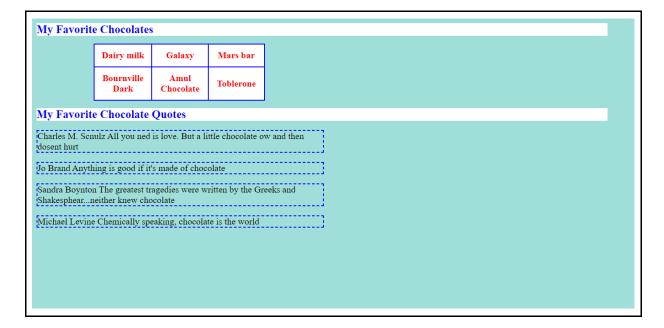
```
Mars bar
   Bournville Dark
    Amul Chocolate
    Toblerone
   <h1>My Favorite Chocolate Quotes</h1>
   Charles M. Scnulz All you ned is love. But a little chocolate ow
and then dosent hurt
   Jo Brand Anything is good if it's made of chocolate
   Sandra Boynton The greatest tragedies were written by the
Greeks and Shakesphear...neither knew chocolate
   Michael Levine Chemically speaking, chocolate is the world
</body>
</html>
```

```
<style>
  body{
    background-color: #a0dfd9;
  h1{
    background-color: white;
     color: blue;
     text-align: left;
     font-size: 20px;
     width: 1000px;
  }
  table{
    background-color: white;
     margin-left: 100px;
     width: 300px;
     border-collapse: collapse;
     font-weight: bold;
     color: red;
     text-align: center;
  P{
    color: black;
  p{
```



```
border:2px dashed blue;
width: 500px;
}
.td-border{
   padding: 10px;
   width: 100px;
   border: 2px solid blue;
}
</style>
```

Output:

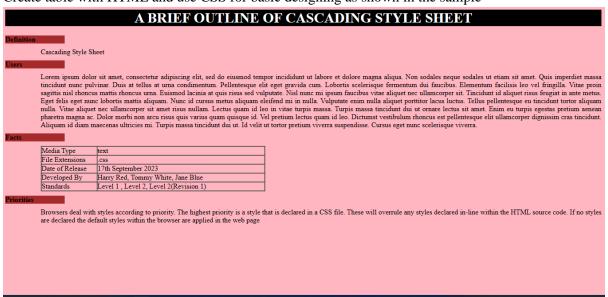




Practical 2

Aim:

Create table with HTML and use CSS for basic designing as shown in the sample



```
<!DOCTYPE html>
<html>
<head>
    <title>HTML and CSS</title>
</head>
<body>
  <h1>A BRIEF OUTLINE OF CASCADING STYLE SHEET</h1>
    <dt style="font-size: 25px;"><b>Definition</b></dt>
    <dd style="font-size: 25px;">Cascading Style Sheet</dd>
    <dt style="font-size: 25px;"><b>User</b></dt>
    <dd style="font-size: 25px;">Lorem Ipsum is simply dummy text of the printing
and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever
since the 1500s, when an unknown printer took a galley of type and scrambled it to make a
type specimen book. It has survived not only five centuries, but also the leap into electronic
typesetting, remaining essentially unchanged. It was popularised in the 1960s with the
release of Letraset sheets containing Lorem Ipsum passages, and more recently with
desktop publishing software like Aldus PageMaker including versions of Lorem
Ipsum.</dd>
    <dt style="font-size: 25px;"><b>Facts</b></dt>
    <dd style="font-size: 25px;">
```



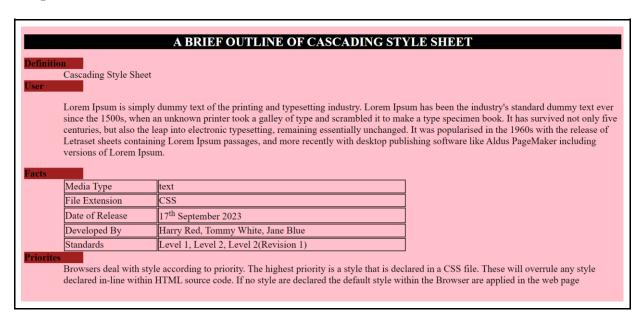
```
Media Type
      text
     File Extension
      CSS
     Date of Release
      17<sup>th</sup> September 2023
     Developed By
      Harry Red, Tommy White, Jane Blue
     Standards
      Level 1, Level 2, Level 2(Revision 1)
     </dd>
   <dt style="font-size: 25px;"><b>Priorites</b></dt>
   <dd style="font-size: 25px;">Browsers deal with style according to priority. The
highest priority is a style that is declared in a CSS file. These will overrule any style
declared in-line within HTML source code. If no style are declared the default style within
the Browser are applied in the web page</dd>
 </dl>
</body>
</html>
```

```
<style>
    h1{
    background-color:black;
    text-align:center;
    color:white
    }
    dt{
    background-color:rgb(160,31,31);
    width:150px;
    color:black;
}
```



```
}
dd{
margin-left: 100px;
}
.one{
border:2px solid black;
padding-right:75px;
text-align:left;
}
.two{
border:2px solid black;
padding-right:250px;
text-align:left;
}
body{
background-color:pink;
}
</style>
```

Output:





Practical 3

Aim:

Create the following "Standard Algorithm" page using <div> and with CSS

Standard Algorithms

Introduction

In programming there are a variety of algorithms that programmers make use over and over again. These are called Standard Algorithms

Higher Computing requires that you are familiar with 5 standard algorithms

- Input Validation Check that data input by user is correct
- Find Max Find the maximum in a list of numbers
 Find Min Find the minimum in a list of numbers
- Count Occurrences Find the number of times a value occurs in a list of numbers
 Linear Search Find the position of a value in a list

Linear Search

The pseudocode details how to display all the values in the array

```
Line 1 SEND - "The Values Found as listed below". TO DISPLAY
Line 2 FOR- counter FROM 1 to length(weights[])
Line 3 IF weights[counter] >= 10 AND weights[counter] <= 20 THEN
Line 4 SEND weights[counter] TO DISPLAY
Line 5 END IF
Line 6 END FOR
```

```
<html>
  <head>
    <title>Standard Algorithms</title>
  </head>
    <body>
      <h1>Standard Algorithms</h1>
      <h3>Introduction</h3>
         >
In programming there are a variety of algorithms that programmers make use over and over
again. These are called standard algorithms.
           <br>><br>>
           Higher Computing requires that you are familiar with 5 standard algorithms
         \langle ul \rangle
           Input Validation-Check that data input by user is cporrect
           Find Max-Find the maximum in a list of numbers
           Find Min-Find the minimum in a list of numbers
           Count Occurences-Find the number of times a value occurs in a list of
numbers
           Linear Search-Find the postion of a value in a list
                                                                          <div class="one">
```



```
<h1>Linear Search</h1>
<h2><span style="color:black; font-weight:bold">The pseudocode details how to display
all the values in the array</span></h2>
        <div class="two">
         Line 1
             SEND-"The values Found as listed below". TO DISPLAY.
           Line 2
             FOR-counter FROM 1 to length(weights[])
           Line 3
             IF weighs[counter] >= 10 AND weights[counter] <= 20
THEN
           Line 4
             SEND weights[counter] TO DISLAY
           Line 5
             END IF
           Line 6
             END FOR
           </div>
     </div>
   </body>
</html>
```

```
<style>
.one{
    background-color:aqua;
    padding-bottom:50px;
```



```
}
table{
    background-color:white;
}
.two{
    padding-left:50px;
}
</style>
```

Output:

Introduction In programming there are a variety of algorithms that programmers make use over and over again. These are called standard algorithms. Higher Computing requires that you are familiar with 5 standard algorithms I paper Validation-Check that data input by user is coparrect Find Max-Find the maximum in a list of numbers Find Max-Find the maximum in a list of numbers Count Occurrences-Find the postion of a value in a list Linear Search The pseudocode details how to display all the values in the array Line 1 SEND-The values Found as listed below." TO DISPLAY. Line 2 FOR-counter FROM 1 to length/weight[I] Line 3 H weight[counter] — IO AND weight[counter] — 20 THEN Line 4 SEND weight[counter] TO DISLAY Line 5 SEND IF Line 6 END FOR

Practical 4

Aim:

Positioning using CSS

Theory:

If you look closely at modern web pages you will see underlying structure of rows and columns.



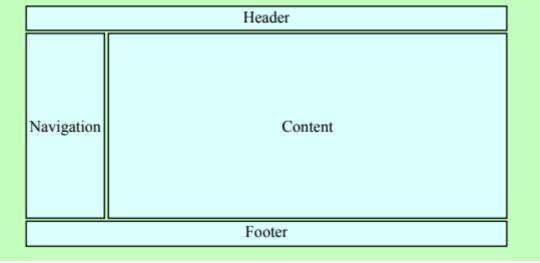


The boxes below can be mapped to the different areas of the Amazon web page



To create this page, each of the above boxes would be created using division <div> </div> tags. Style sheet rules are then created to resize and position each of the boxes.

The diagram below shows a common structure for a simple web page



To create the structure for the above web page start by creating a division for the whole page.

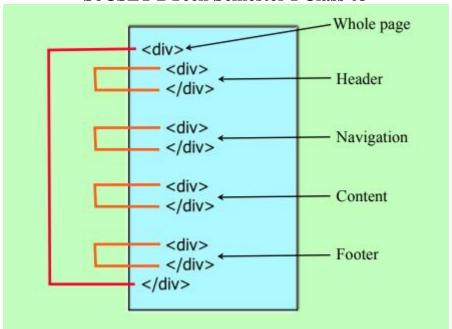




ision for the header.	
Header	<div> <div> </div></div>
tructure by adding a division for each of the four boxes.	
Header	<div></div>
Content	<div> </div>
Footer	
	Header Structure by adding a division for each of the four boxes. Header Content

You should now have 5 divisions with one of them enclosing the others





To resize and position the boxes we will create ID selectors.

Whole Page Style

This allows us to set:

- the page width to 900 pixels
- the margin to 0 (no margin)
- the background colour of the page to white.

```
#container {
    margin: 0 auto;
    width: 900px;
    background: #ffffff;
}
```

Header Style

This allows us to set:

- a background colour of
- · a padding of 20 pixels inside the header

No positioning is required as the header <div> appears first out of the four boxes in the HTML. This means it will automatically appear at the top of the page.

```
#header {
  background: #cccccc;
  padding: 20px;
}
```



Navigation Style

This allows us to:

- ensure that the navigation box is positioned at the left of the web page
- · set the width of the navigation
- set a padding of 20 pixels inside the box, pushing the text from the edges.
- set the background colour to



```
#navigation {
  float: left;
  width: 200px;
  background: #333333;
  padding: 20px;
}
```

Content Style

This allows us to:

- ensure that the content box is positioned at the right of the web page
- · set the width of the content box
- set a padding to push the text in from the top and left of the content box edges.

```
#content {

float: right;

width: 700px;

padding-left: 10px;

padding-top: 20px;

}
```



Footer Style

This allows us to:

- clear the left and right positioning of the previous two boxes (ignore them)
- set a background colour of
- · centre all the text
- · set a padding of 20 pixels inside the footer

Note that a height of 1% will ensure the footer is never larger than its contents require.

Finally the ID selectors must be added to the HTML to implement the styles and create the layout.

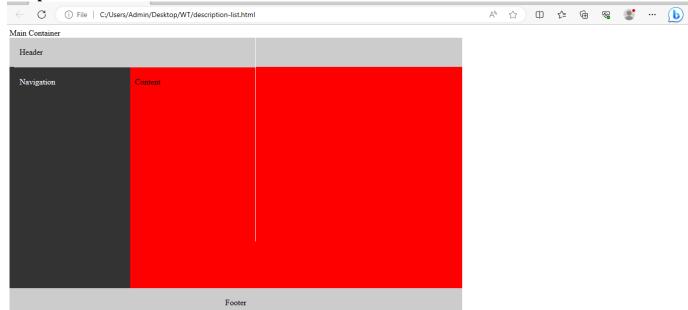
If you add some content inside the completed <div> </div> tags you can now see what the finished page will look like.

```
#footer {
    clear: both;
    background: #cccccc;
    text-align: center;
    padding: 20px;
    height: 1%;
}
```

```
<div ID="container">
    <div ID="header">
    </div>
    <div ID="footer">
    </div>
    <div ID="content">
    </div>
    <div ID="footer">
    </div>
    <div ID="footer">
    </div>
</div>
```



Sample:

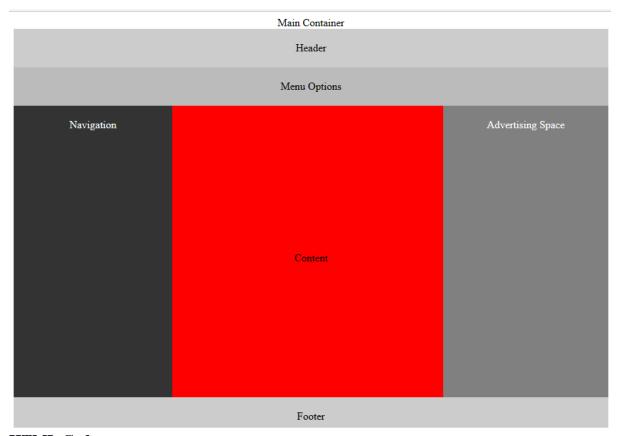


Show desktop



Practical 5 - A

Aim: Extension of Practical 4



```
<html>
  <head>
    <title>Practical-4</title>
  </head>
  <body>
    <div class="maincontainer">
      <h3>Main container</h3>
         <div class="header">
           <h3>Header</h3>
         </div>
         <div class="menuoptions">
           <h3>Menu Options</h3>
         </div>
         <div class="navigation">
           <h3>Navigation</h3>
         </div>
```

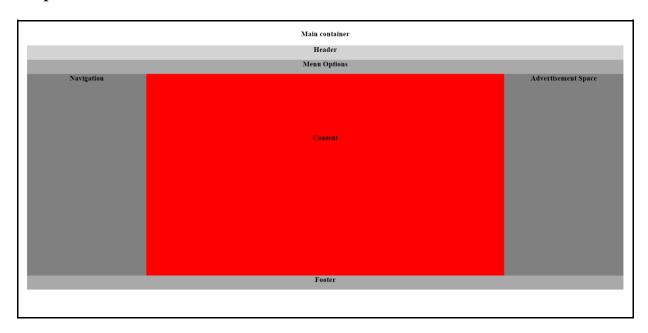


```
<style>
  .maincontainer{
    background-color:white;
    text-align: center;
    width:100%;
  }
  .menuoptions{
    background-color:darkgray;
    height:5%;
    width:100%;
  .navigation{
    float:left;
    width:20%;
    background-color:gray;
    height:71%;
  }
  .advsp{
    float:left;
    width:20%;
    background-color:gray;
    height:71%;
  .header{
    height:5%;
    background-color:lightgray;
    text-align:center;
```



```
}
  .content \{\\
    float:left;
    width:60%;
    background-color:red;
    height:50%;
    padding-top: 10%;
  }
  .footer{
    clear:both;
    height:5%;
    background-color:darkgray;
    text-align:center;
  h3{
    margin-top: 0%;
</style>
```

Output:





Practical 5

Aim:

Create a web with the following information, structure, and visual presentation

My blog about my life

- Yesterday Last Week
 - August 09, 2023

Today I went to the University by bus

Meeting with Supervisor

I had a meeting with my PhD Supervisor

September 19, 2023

Today I bought my new car

I met some friends at a Pub

Visit my parents

December 24, 2023

Tried to contact my PhD supervisor. He was out of his office

I visited my parents and we had nice dinner together

Contact me : madonnax.lamin@gmail.com

Lasts Posts

- Supervisor

 New Car!!

 Visit my parents

```
<html>
  <head>
    <title>My blog</title>
  </head>
  <body>
    <div class="one">
      <h1>My Blog about my life</h1>
        <div class="cone">
          <l>
            <a href="https://en.wikipedia.org/wiki/Today">Today</a>
            <a href="https://en.wikipedia.org/wiki/Yesterday">Yesterday</a>
            <a href="https://en.wikipedia.org/wiki/Last week">Last Week</a>
            <a href="https://en.wikipedia.org/wiki/Archieves">Archieves</a>
          </div>
        <div class="two">
          <h3>Meeting with Supervisor</h3>
          >
            August 09,2023
            <br>><br>>
            today i went to the University by bus
```



```
I had a meeting with my PhD Supervisor
                                   <h3>New Car</h3>
                                          September 19,2023
                                           <br>><br>>
                                          Today I bought my new car
                                          <br>><br>>
                                          I met some friends at a Pub
                                   <h3>Visit my parents</h3>
                                          December 24,2003
                                          <br>><br>>
                                          Tried to contact my PhD supervisor. He was out of his office
                                          <br>><br>>
                                          I visited my parents and we had a nice dinner together
                                   </div>
                            <div class="ctwo">
                                   Lasts Posts
                                                         <a href="https://en.wikipedia.org/wiki/Meeting">Meeting with</a>
Supervisor</a>
                                                        <a href="https://en.wikipedia.org/wiki/car">New Car!!</a>
                                                        <a href="https://en.wikipedia.org/wiki/visit">Visit my parents</a>
                                                  </div>
                            <div class="three">
                                   Contact me : <a
href="https://mail.google.com/mail/u/0/#inbox?compose=GTvVlcSGLrfbtlgdcwHlmlBTxtcvPdRqKrsGs">href="https://mail.google.com/mail/u/0/#inbox?compose=GTvVlcSGLrfbtlgdcwHlmlBTxtcvPdRqKrsGs">href="https://mail.google.com/mail/u/0/#inbox?compose=GTvVlcSGLrfbtlgdcwHlmlBTxtcvPdRqKrsGs">href="https://mail.google.com/mail/u/0/#inbox?compose=GTvVlcSGLrfbtlgdcwHlmlBTxtcvPdRqKrsGs">href="https://mail.google.com/mail/u/0/#inbox?compose=GTvVlcSGLrfbtlgdcwHlmlBTxtcvPdRqKrsGs">href="https://mail.google.com/mail/u/0/#inbox?compose=GTvVlcSGLrfbtlgdcwHlmlBTxtcvPdRqKrsGs">href="https://mail.google.com/mail/u/0/#inbox?compose=GTvVlcSGLrfbtlgdcwHlmlBTxtcvPdRqKrsGs">href="https://mail.google.com/mail/u/0/#inbox?compose=GTvVlcSGLrfbtlgdcwHlmlBTxtcvPdRqKrsGs">href="https://mail.google.com/mail/u/0/#inbox?compose=GTvVlcSGLrfbtlgdcwHlmlBTxtcvPdRqKrsGs">href="https://mail.google.com/mail/u/0/#inbox?compose=GTvVlcSGLrfbtlgdcwHlmlBTxtcvPdRqKrsGs">https://mail.google.com/mail/u/0/#inbox?compose=GTvVlcSGLrfbtlgdcwHlmlBTxtcvPdRqKrsGs">https://mail.google.com/mail/u/0/#inbox?compose=GTvVlcSGLrfbtlgdcwHlmlBTxtcvPdRqKrsGs">https://mail.google.com/mail/u/0/#inbox?compose=GTvVlcSGLrfbtlgdcwHlmlBTxtcvPdRqKrsGs">https://mail.google.com/mail/u/0/#inbox?compose=GTvVlcSGLrfbtlgdcwHlmlBTxtcvPdRqKrsGs">https://mail.google.com/mail/u/0/#inbox?compose=GTvVlcSGLrfbtlgdcwHlmlBTxtcvPdRqKrsGs">https://mail.google.com/mail/u/0/#inbox?compose=GTvVlcSGLrfbtlgdcwHlmlBTxtcvPdRqKrsGs">https://mail.google.com/mail/u/0/#inbox?compose=GTvVlcSGLrfbtlgdcwHlmlBTxtcvPdRqKrsGs">https://mail.google.com/mail/u/0/#inbox?compose=GTvVlcSGLrfbtlgdcwHlmlBTxtcvPdRqKrsGs">https://mail.google.com/mail/u/0/#inbox?compose=GTvVlcSGLrfbtlgdcwHlmlBTxtcvPdRqKrsGs">https://mail.google.com/mail/u/0/#inbox?compose=GTvVlcSGLrfbtlgdcwHlmlBTxtcvPdRqKrsGs">https://mail.google.com/mail/u/0/#inbox.google.com/mail/u/0/#inbox.google.com/mail/u/0/#inbox.google.com/mail/u/0/#inbox.google.com/mail/u/0/#inbox.google.com/mail/u/0/#inbox.google.com/mail/u/0/#inbox.google.com/mail/u/0/#inbox.google.com/mail/u
ZlCkzkfvBfkJLLqQqtmTDggvSNWsWdbddpXkkJPB">@harshitchaudhri055@gmail.com</a>
                            </div>
              </div>
       </body>
</html>
```



```
<style>
  .one{
    width:100%;
  h1{
    text-align:center;
    background-color:yellow;
  }
  .cone{
    float:left;
    width:9.5%;
    border-right: 2px solid black;
    height: 465px;
  .two{
    float:left;
    width:79%;
    padding-left:1%;
  }
  .ctwo{
    float:left;
    width:10%;
  }
  .three{
    text-align:center;
    clear:both;
    height:5%;
  }
  td{
    border:dashed 2px black;
</style>
```





Practical 6:

Aim: Create a static website with the following information, structure and visual representation

Home Page



Presentation Studies Staff

News Announcements
News 1 - Date Open Course 1
Description Description

News 2 - Date Open Course 2
Description Description

Contact: madonnax.lamin@gmail.com (c) University 2023

```
<html>
  <head>
    <TITLE>ITMBU</TITLE>
  </head>
  <body>
    <div class="one">
      <h1>Home Page</h1>
        <div class="two">
            <img src="ITM.png", height="100px", width="150px">
<span style="color:black; font-weight:bold; font-size:20px;">ITM (SLS) BARODA
UNIVERSITY</span>
            <div class="three">
            <a href="url">Presentation</a> <a href="url">Studies</a> <a
href="url">Staff</a>
```



```
</div>
                                             <div class="four">
                                                                   <h3>News</h3>
                                                                   News 1 - Date<br/>br>Description
                                                                   Newsc 2 - Date<br/>br>Description
                                                                                                                                                                                                                                                                                                         </div>
                                             <div class="five">
                                                       <h3>Announcements</h3>
                                                       Open course 1<br/>br>Description
                                                        Open course 2<br>Description
                                             </div>
                                             <div class="six">
Contact : <a href="https://mail.google.com/mail/u/0/#inbox?compose="https://mail.google.com/mail/u/0/#inbox?compose="https://mail.google.com/mail/u/0/#inbox?compose="https://mail.google.com/mail/u/0/#inbox?compose="https://mail.google.com/mail/u/0/#inbox?compose="https://mail.google.com/mail/u/0/#inbox?compose="https://mail.google.com/mail/u/0/#inbox?compose="https://mail.google.com/mail/u/0/#inbox?compose="https://mail.google.com/mail/u/0/#inbox?compose="https://mail.google.com/mail/u/0/#inbox?compose="https://mail.google.com/mail/u/0/#inbox?compose="https://mail.google.com/mail/u/0/#inbox?compose="https://mail.google.com/mail/u/0/#inbox?compose="https://mail.google.com/mail/u/0/#inbox?compose="https://mail.google.com/mail/u/0/#inbox?compose="https://mail.google.com/mail/u/0/#inbox?compose="https://mail.google.com/mail/u/0/#inbox?compose="https://mail.google.com/mail/u/0/#inbox?compose="https://mail.google.com/mail/u/0/#inbox?compose="https://mail.google.com/mail/u/0/#inbox?compose="https://mail.google.com/mail/u/0/#inbox?compose="https://mail.google.com/mail/u/0/#inbox?compose="https://mail.google.com/mail/u/0/#inbox?compose="https://mail.google.com/mail/u/0/#inbox?compose="https://mail.google.com/mail/u/0/#inbox?compose="https://mail.google.com/mail/u/0/#inbox.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.google.com/mail.goog
GTvVlcSGLrfbtlgdcwHlmlBTxtcvPdRqKrsGsZlCkzkfvBfkJLLqQqtmTDggvSNWsWdbddpXkkJPB">
harshitchaudhari055@gmail.com</a>
                                             </div>
                      </div>
           </body>
 </html>s
```

```
<style>
  .one{
     align-items: center;
     float:center;
     clear:both;
     text-align: center;
     width:100%;
  }
  .two{
     border: 3px solid blue;
     float:left;
     clear:both;
     text-align: center;
     width:40%;
     margin-left:30%;
  p{
     font-size:20px;
  }
  .four{
     float:left;
     padding-left:20%;
```



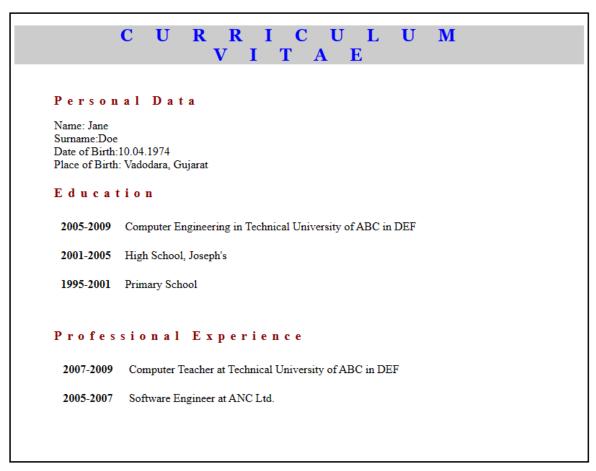
```
text-align: justify;
    width: 30%;
    border-right: 4px solid blue;
    height: 175px;
  }
  .five{
     float:left;
    padding-left:10%;
    text-align: justify;
     width:25%;
  .six{
     float:left;
     text-align:center;
     width:40%;
     margin-left:25%;
     clear:both;
</style>
```



Practical 7

Aim:

Create a static web page for your curriculum vitae using the following design. On the right column, some information about the markup and the visual presentation is provided.





```
Place of Birth: Vadodara, Gujrat
             <h2><dt>Education</dt></h2>
             < dd >
               <span style="color: black; font-weight: bold;">2005-2009</span>
 Computer Engineering in Technical University
               <br>><br>>
               <span style="color: black; font-weight: bold;">2001-2005</span>
 High School, Joseph's
               <br>><br>>
               <span style="color: black; font-weight: bold;">1995-2001
 Primary School
             </dd>
           <h2><dt>Proffesional Experience</dt></h2>
             < dd >
               <span style="color: black; font-weight: bold;">2007-2009</span>
 Computer Teacher at Technical University of ABC in DEF
               <br>><br>>
               <span style="color: black; font-weight: bold;">2005-2007</span>
 software Engineer at ANC Ltd.
             </dd>
        </div>
    </div>
  </body>
</html>
```

```
<style>
    h1{
        color: blue;
        background-color: lightgray;
        letter-spacing: 30px;
        text-align: center;
    }
    h2{
        color: brown;
        letter-spacing: 10px;
    }
    p{
        font-size: 20px;
    }
}
```



```
}
dd{
    font-size: 20px;
}
.one{
    float: center;
    width: 60%;
    margin-left: 20%;
    clear: both;
}
.two{
    padding: 5%;
}
</style>
```