

CSS

=====

CSS stands for Cascade Styles Sheet.

CSS is used to apply the styles on elements.

The latest version of CSS3 was introduced in 2001.

The main objective of CSS3 are

- 1) To set the positioning of an element.
- 2) To apply the styles on elements to describe who an element should look like.
- 3) To perform some sort of animations.

CSS syntax

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>MyPage!</title>
```

```
    <style>
```

```
      -
```

```
      - css properties
```

```
      -
```

```
    </style>
```

```
  </head>
```

```
  <body>
```

-
-
-

</body>

</html>

Note:

Here style will cascade from head to body.

ex:1

<!DOCTYPE html>

<html>

<head>

<title>MyPage!</title>

<style>

h1

{

color:blue;

background-color:cyan;

}

</style>

</head>

<body>

<h1> This is Heading Tag </h1>

</body>

</html>

ex:2

```

----
<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
    <style>
      h1
      {
        color:blue;
        background-color:cyan;
        text-align:center;
      }
    </style>
  </head>
  <body>
    <h1> This is Heading Tag </h1>
  </body>
</html>

```

CSS Syntax

=====

CSS syntax contains selector and declaration block.

```

ex:                declaration block
                    |
                    |-----|
h1{color:blue;background-color:cyan;text-align:center;}
|
selector

```

Declaration block contains multiple CSS properties.

Each CSS property contains property name and property value separated with colon.

Each CSS property ends with semicolon.

Advantages of CSS

=====

- 1) It is easy to learn and easy to use.
- 2) It saves lot of development time.
- 3) It supported by all major browsers.
- 4) It support global change.
- 5) Flexibility.

Disadvantages of CSS

=====

- 1) Fragmentation
- 2) Need to update all the versions of CSS.

Types of CSS

=====

We have three types of CSS.

- 1) Inline CSS

2) Internal CSS

3) External CSS

1) Inline CSS

It is used to apply unique style on single element.

Using "style" attribute we can achieve inline CSS.

ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
    <head>
```

```
        <title>MyPage!</title>
```

```
    </head>
```

```
    <body>
```

```
        <h1 style="color:blue;background-color:cyan;">This is Heading Tag </h1>
```

```
        <h1> This is Second H1 Tag </h1>
```

```
    </body>
```

```
</html>
```

2) Internal CSS / Embedded CSS

It is used to apply unique style on entire web page.

Using <style> tag we can achieve internal CSS.

ex:

```
<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
    <style type="text/css">
      h1
      {
        color:blue;
        background-color:cyan;
      }
    </style>
  </head>
  <body>
    <h1>This is Heading Tag 1</h1>

    <h1>This is Heading Tag 2</h1>
  </body>
</html>
```

3) External CSS / Seperate CSS

It is used to apply unique style on entire web site.

In external css, we will keep html code in .html file and CSS code in .css file.

But it is not possible to execute .css file directly on browser window.

Using <link> tag we can achieve external css.

ex:

index.html

```
<!DOCTYPE html>
```

```
<html>
```

```
    <head>
```

```
        <title>MyPage!</title>
```

```
        <!-- add external CSS -->
```

```
        <link rel="stylesheet" href="mystyles.css">
```

```
    </head>
```

```
    <body>
```

```
        <h1> Heading Tag </h1>
```

```
    </body>
```

```
</html>
```

mystyles.css

```
body
```

```
{
```

```
    background-color:cyan;
```

```
}
```

```
h1
{
    text-align:center;
    color:blue;
}
```

CSS background property

=====

CSS background property is used to set the background on a web page.

If we set any background to a body then it will reflect to entire to web page.

It is possible to background to specific elements.

ex:

<h1>, <p>, <div> , <i> and etc.

We have following list of background properties.

1) background-color

2) background-image

3) background-repeat

4) background-size

5) background-position

6) background-attachment

7) background shorthand property

8) background-blend-mode

and etc.

1) background-color

ex:

```
<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
    <style>
      body
      {
        background-color:cyan;
      }
    </style>
  </head>
  <body>

  </body>
</html>
```

ex:

```

<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
    <style>
      h1
      {
        background-color:cyan;
      }
    </style>
  </head>
  <body>
    <h1> This is Heading Tag </h1>
  </body>
</html>

```

2) background-image

ex:

```

<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
    <style>
      h1
      {
        background-color:#FFFFFF;
        background-image:url("images/bg.jpg");

```

```
        }
    </style>
</head>
<body>
    <h1> This is Heading Tag </h1>
</body>
</html>
```

ex:

```
<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>
        <style>
            body
            {
                background-color:#FFFFFF;
                background-image:url("images/bg.jpg");
            }
        </style>
    </head>
    <body>
        <h1> This is Heading Tag </h1>
    </body>
</html>
```

3) background-repeat

```
<!DOCTYPE html>

<html>

  <head>

    <title>MyPage!</title>

    <style>

      body

      {

        background-color:#FFFFFF;

        background-image:url("images/bg.jpg");

        background-repeat:repeat;

      }

    </style>

  </head>

  <body>

    <h1> This is Heading Tag </h1>

  </body>

</html>
```

ex:

```
<!DOCTYPE html>

<html>

  <head>

    <title>MyPage!</title>

    <style>

      body

      {

        background-color:#FFFFFF;

        background-image:url("images/bg.jpg");
```

```

        background-repeat:no-repeat;
    }
</style>
</head>
<body>
    <h1> This is Heading Tag </h1>
</body>
</html>

```

4) background-size

```

<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>
        <style>
            body
            {
                background-color:#FFFFFF;
                background-image:url("images/bg.jpg");
                background-repeat:no-repeat;
                background-size: 1600px 900px;
            }
        </style>
    </head>
    <body>
        <h1> This is Heading Tag </h1>
    </body>
</html>

```

ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>MyPage!</title>
```

```
    <style>
```

```
      body
```

```
      {
```

```
        background-color:#FFFFFF;
```

```
        background-image:url("images/bg.jpg");
```

```
        background-repeat:no-repeat;
```

```
        background-size: cover;
```

```
      }
```

```
    </style>
```

```
  </head>
```

```
  <body>
```

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

```
  </body>
```

```
</html>
```

5) background-position

ex:

--

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```

<title>MyPage!</title>

<style>
    body
    {
        background-color:#FFFFFF;
        background-image:url("images/bg.jpg");
        background-repeat:no-repeat;
        background-size: 500px;
        background-position: center 0px;
    }
</style>
</head>
<body>
    <h1> This is Heading Tag </h1>
</body>
</html>

```

ex:

```

<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>
        <style>
            body
            {
                background-color:#FFFFFF;
                background-image:url("images/bg.jpg");
                background-repeat:no-repeat;

```

```

        background-size: 500px;
        background-position: right 0px;
    }
</style>
</head>
<body>
    <h1> This is Heading Tag </h1>
</body>
</html>

```

ex:

```

<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>
        <style>
            body
            {
                background-color:#FFFFFF;
                background-image:url("images/bg.jpg");
                background-repeat:no-repeat;
                background-size: 500px;
                background-position: left 0px;
            }
        </style>
    </head>
    <body>
        <h1> This is Heading Tag </h1>

```



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

ex:

```
<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
    <style>
      body
      {
        background-color:#FFFFFF;
        background-image:url("images/bg.jpg");
        background-repeat:no-repeat;
        background-size: 500px;
        background-position: center 200px;
      }
    </style>
  </head>
  <body>
    <h1> This is Heading Tag </h1>
  </body>
</html>
```

6) background-attachment

ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>MyPage!</title>
```

```
    <style>
```

```
      body
```

```
      {
```

```
        background-color:#FFFFFF;
```

```
        background-image:url("images/bg.jpg");
```

```
        background-repeat:no-repeat;
```

```
        background-size: 500px;
```

```
        background-position: center 0px;
```

```
        background-attachment:scroll;
```

```
      }
```

```
    </style>
```

```
  </head>
```

```
  <body>
```

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

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

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

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

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

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

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

```
<h1> This is Heading Tag </h1>
<h1> This is Heading Tag </h1>
<h1> This is Heading Tag </h1>
<h1> This is Heading Tag </h1>
<h1> This is Heading Tag </h1>
<h1> This is Heading Tag </h1>
<h1> This is Heading Tag </h1>
<h1> This is Heading Tag </h1>
<h1> This is Heading Tag </h1>
<h1> This is Heading Tag </h1>
<h1> This is Heading Tag </h1>
<h1> This is Heading Tag </h1>
</body>
</html>
```

ex:

```
<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
    <style>
      body
      {
        background-color:#FFFFFF;
        background-image:url("images/bg.jpg");
        background-repeat:no-repeat;
        background-size: 500px;
        background-position: center 0px;
```



```
background-color:#FFFFFF;  
background-image:url("images/bg.jpg");  
background-repeat:no-repeat;  
background-position: center 0px;  
background-attachment:fixed;
```

or

```
background: #FFFFFF url("images/bg.jpg") no-repeat center 0px fixed;
```

ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>MyPage!</title>
```

```
    <style>
```

```
      body
```

```
      {
```

```
        background: url("images/bg.jpg") no-repeat center 0px fixed;
```

```
        background-size: 500px;
```

```
      }
```

```
    </style>
```

```
  </head>
```

```
  <body>
```

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

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

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

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

```
</body>
```

```
</html>
```

8) background-blend-mode

ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>MyPage!</title>
```

```
    <style>
```

```
      body
```

```

        {
            background-color:#FFFFFF, #FFFFFF;
            background-image:url("images/bg.jpg"), url("images/micky.png");
            background-repeat:no-repeat, no-repeat;
            background-size: cover , 500px;
            background-position: center 0px , left 0px;
            background-attachment:fixed, fixed;
            background-blend-mode:lighten;
        }
    </style>
</head>
<body>

</body>
</html>

```

ex:

```

<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>
        <style>
            body
            {
                background-color:#FFFFFF, #FFFFFF;
                background-image:url("images/bg.jpg"), url("images/micky.png");
                background-repeat:no-repeat, no-repeat;
                background-size: cover , 500px;

```

```

background-position: center 0px , left 0px;
background-attachment:fixed, fixed;
background-blend-mode:darken;
    }
</style>
</head>
<body>

</body>
</html>

```

CSS border property

=====

CSS border property to used to set the border to the elements.

We have following list of CSS border properties.

1) border-style

2) border-color

3) border-width

4) border shorthand

1) border-style

<!DOCTYPE html>

<html>

<head>


```
<title>MyPage!</title>
<style>
    h1
    {
        border-style:solid;
    }
    h2
    {
        border-style:double;
    }
    h3
    {
        border-style:dotted;
    }
    h4
    {
        border-style:inset;
    }
    p
    {
        border-style:dashed;
    }
    div
    {
        border-style:groove;
    }
</style>
</head>
<body>
```

```
<h1> Heading1 Tag </h1>
```

```
<h2> Heading2 Tag </h2>
```

```
<h3> Heading3 Tag </h3>
```

```
<h4> Heading4 Tag </h4>
```

```
<p> Paragraph Tag </p>
```

```
<div> Division Tag</div>
```

```
</body>
```

```
</html>
```

2) border-color

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>MyPage!</title>
```

```
<style>
```

```
h1
```

```
{
```

```
border-style:solid;
```

```
border-color:red;
```

```
}
```

```
h2
```

```
{
```

```
border-style:double;
```

```
border-color:blue;
```

```
}
```

```
h3
```

```
{
```

```

        border-style:dotted;
        border-color:green;
    }
h4
{
    border-style:inset;
    border-color:cyan;
}
p
{
    border-style:dashed;
    border-color:pink;
}
div
{
    border-style:groove;
    border-color:yellow;
}
</style>
</head>
<body>

    <h1> Heading1 Tag </h1>
    <h2> Heading2 Tag </h2>
    <h3> Heading3 Tag </h3>
    <h4> Heading4 Tag </h4>
    <p> Paragraph Tag </p>
    <div> Division Tag</div>

</body>

```

```
</html>
```

3) border-width

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>MyPage!</title>
```

```
    <style>
```

```
      h1
```

```
      {
```

```
        border-style:solid;
```

```
        border-color:red;
```

```
        border-width:2px;
```

```
      }
```

```
      h2
```

```
      {
```

```
        border-style:double;
```

```
        border-color:blue;
```

```
        border-width:4px;
```

```
      }
```

```
      h3
```

```
      {
```

```
        border-style:dotted;
```

```
        border-color:green;
```

```
        border-width:6px;
```

```
      }
```

```
      h4
```

```
      {
```


4) border shorthand

border-width: 2px

border-style: solid;

border-color:red;

or

border : 2px solid red;

ex:

--

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>MyPage!</title>
```

```
    <style>
```

```
      h1
```

```
      {
```

```
        border : 2px solid red;
```

```
      }
```

```
      h2
```

```
      {
```

```
        border : 4px double blue;
```

```
      }
```

```
      h3
```

```
      {
```

```
        border : 6px dotted green;
```

```

        }
        h4
        {
            border : 8px inset cyan;
        }
        p
        {
            border : 10px dashed pink;
        }
        div
        {
            border : 12px groove yellow;
        }
    </style>
</head>
<body>

    <h1> Heading1 Tag </h1>
    <h2> Heading2 Tag </h2>
    <h3> Heading3 Tag </h3>
    <h4> Heading4 Tag </h4>
    <p> Paragraph Tag </p>
    <div> Division Tag</div>

</body>
</html>

```

CSS border-radius property

=====

CSS border-radius property is used to set the radius to the element's corners.

Diagram: class9.1

We have following list of CSS border-radius properties.

1) border-top-left-radius

2) border-top-right-radius

3) border-bottom-right-radius

4) border-bottom-left-radius

5) border-radius shorthand

ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>MyPage!</title>
```

```
    <style>
```

```
      div
```

```
      {
```

```
        border:4px solid black;
```

```
        border-top-left-radius:5px;
```

```
        border-top-right-radius:10px;
```

```
        border-bottom-right-radius:15px;
```

```
        border-bottom-left-radius:20px;
```



```

        }
    </style>
</head>
<body>

    <div> This is Div Tag</div>

</body>
</html>

```

ex:

```

<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>
        <style>
            div
            {
                border:4px solid black;
                border-radius: 2px 4px 6px 8px;
            }
        </style>
    </head>
    <body>

        <div> This is Div Tag</div>

    </body>
</html>

```

ex:

```
<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
    <style>
      div
      {
        border:4px solid black;
        border-radius: 4px 8px;
      }
    </style>
  </head>
  <body>
    <div> This is Div Tag</div>

  </body>
</html>
```

ex:

```
<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
    <style>
      div
      {
```

```

        border:4px solid black;
        border-radius:8px;
    }
</style>
</head>
<body>

    <div> This is Div Tag</div>

</body>
</html>

```

CSS Colors

=====

In CSS we can defined the color in fours ways.

1) Valid color name

2) Hexa value

3) RGB value

4) HSL value

1) Valid color name

```
<!DOCTYPE html>
```

```
<html>
```

```
    <head>
```

```

<title>MyPage!</title>
<style>
    body
    {
        background-color:tomato;
    }
    h1
    {
        color: forestgreen;
    }
</style>
</head>
<body>
    <h1> This is Heading Tag </h1>

</body>
</html>

```

2) Hexa value

```

<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>
        <style>
            body
            {
                background-color:#FFFF00;
            }

```

```

        h1
        {
            color: #00FF00;
        }
    </style>
</head>
<body>

    <h1> This is Heading Tag </h1>

</body>
</html>

```

3) RGB value

```

-----
<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>
        <style>
            body
            {
                background-color:rgb(255,0,0);
            }
            h1
            {
                color: rgb(102, 255, 51);
            }
        </style>
    </head>

```

```
<body>

    <h1> This is Heading Tag </h1>

</body>
</html>
```

4) HSL value

```
-----
<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>
        <style>
            body
            {
                background-color:hsl(105, 100%, 60%);
            }
            h1
            {
                color: hsl(30, 100%, 20%);
            }
        </style>
    </head>
    <body>

        <h1> This is Heading Tag </h1>

    </body>
</html>
```

CSS Margin property

=====

CSS margin property is used to give the space around the elements, outside the defined border.

CSS margin contains following properties.

1) margin-top

2) margin-right

3) margin-bottom

4) margin-left

5) margin shorthand

All the above margin properties will take following values.

i) auto : It declares the margin by the browser.

ii) value: It declares the margin in px,pt,cm,em and etc.

iii) % : It declares the margin in percentage.

iv) inherit : It take the margin from parent tag.

ex:

```
<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
    <style>
      h1
      {
        border:2px solid #000;
        margin-top:100px;
        margin-right:100px;
        margin-bottom:100px;
        margin-left:100px;
      }
    </style>
  </head>
  <body>
    <h1> This is Heading Tag </h1>
  </body>
</html>
```

ex:

```
<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
```



```

        <style>
            h1
            {
                border:2px solid #000;

                margin-top:10%;
                margin-left:20%;
                margin-right:20%;
                margin-bottom:10%;

            }

        </style>
    </head>
    <body>
        <h1> This is Heading Tag </h1>

    </body>
</html>

```

ex:

```

<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>
        <style>
            div
            {
                border:2px solid #FF0000;

```

```

        margin:50px;
    }
    h1
    {
        border:2px solid #000;
        margin:inherit;
    }

</style>
</head>
<body>
    <div>
        <h1> This is Heading Tag </h1>
    </div>
</body>
</html>

```

If margin contains four values.

ex:

```
margin : 25px 50px 100px 150px;
```

top , right, bottom , left

```

<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>
        <style>

```

```

        h1
        {
            border:2px solid #000;

            margin: 25px 50px 100px 150px;
        }

    </style>
</head>
<body>

    <h1> This is Heading Tag </h1>

</body>
</html>

```

If margin contains three values.

ex:

```
margin : 50px 100px 150px;
```

top, right and left, bottom

ex:

```

<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>
        <style>
            h1
            {

```

```

        border:2px solid #000;

        margin : 50px 100px 150px;

    }

</style>
</head>
<body>
        <h1> This is Heading Tag </h1>

</body>
</html>

```

If margin contains two values.

ex:

```
margin: 50px 100px;
```

top and bottom , left and right

```

<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>
        <style>
            h1
            {
                border:2px solid #000;

```

```

        margin : 50px 100px;

    }

</style>
</head>
<body>

    <h1> This is Heading Tag </h1>

</body>
</html>

```

If margin contains one property:

ex:

```
margin : 100px;
```

All sides are 100px

```

<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>
        <style>
            h1
            {
                border:2px solid #000;

                margin :100px;

            }

```

```
        </style>
    </head>
    <body>
        <h1> This is Heading Tag </h1>
    </body>
</html>
```

> CSS padding property

=====

CSS padding property provide the space around the element content.inside the defined border.

We have following list of padding properties.

1) padding-top

2) padding-right

3) padding-bottom

4) padding-left

5) padding shorthand property

All the above properties will take following values.

1) auto : It describes the padding by the browser.

2) value : It describes the padding in px,pt,cm,em and etc.

3) % : It describes the padding in percentage.

4) inherit : It will take the padding from parent tag.

ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>MyPage!</title>
```

```
    <style>
```

```
      h1
```

```
      {
```

```
        border:2px solid red;
```

```
        padding-top:100px;
```

```
        padding-right:100px;
```

```
        padding-bottom:100px;
```

```
        padding-left:100px;
```

```
      }
```

```
    </style>
```

```
  </head>
```

```
  <body>
```

```
    <h1> Heading Tag</h1>
```

```
</body>
```

```
</html>
```

ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>MyPage!</title>
```

```
    <style>
```

```
      h1
```

```
      {
```

```
        border:2px solid red;
```

```
        padding-top:10%;
```

```
        padding-right:20%;
```

```
        padding-bottom:30%;
```

```
        padding-left:40%;
```

```
      }
```

```
    </style>
```

```
  </head>
```

```
  <body>
```

```
    <h1> Heading Tag</h1>
```

```
  </body>
```

```
</html>
```

ex:


```
----  
<!DOCTYPE html>  
<html>  
  <head>  
    <title>MyPage!</title>  
    <style>  
      div  
      {  
        border:2px solid blue;  
        padding-top:100px;  
      }  
      h1  
      {  
        border:2px solid red;  
        padding-top:inherit;  
      }  
    </style>  
  </head>  
  <body>  
    <div>  
      <h1> Heading Tag</h1>  
    </div>  
  
  </body>  
</html>
```

If padding contains four values.

ex:

padding: 25px 50px 75px 100px;

top , right, bottom , left

ex:

```
<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
    <style>

        h1
        {
            border:2px solid red;
            padding: 25px 50px 75px 100px;
        }
    </style>
  </head>
  <body>

    <h1> Heading Tag</h1>

  </body>
</html>
```

If padding contains three values.

ex:

padding: 25px 75px 100px;

top , left and right, bottom

```
<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
    <style>

      h1
      {
        border:2px solid red;
        padding: 25px 75px 100px;
      }
    </style>
  </head>
  <body>

    <h1> Heading Tag</h1>

  </body>
</html>
```

If padding contains two values.

ex:

padding: 75px 100px;

top and bottom , left and right

ex:

```
<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
    <style>
      h1
      {
        border:2px solid red;
        padding: 75px 100px;
      }
    </style>
  </head>
  <body>
    <h1> Heading Tag</h1>
  </body>
</html>
```

If padding contains one value.

ex:

padding: 50px;

all sides are 50px.

ex:

```
<!DOCTYPE html>
```

```

<html>
  <head>
    <title>MyPage!</title>
    <style>

      h1
      {
        border:2px solid red;
        padding: 50px;
      }
    </style>
  </head>
  <body>

    <h1> Heading Tag</h1>

  </body>
</html>

```

> CSS Text property

=====

color

```

<!DOCTYPE html>

```

```

<html>

```

```

  <head>

```

```

    <title>MyPage!</title>

```

```

    <style>

```

```

        h1
        {
            color:blue;
        }
    </style>
</head>
<body>

    <h1> Heading Tag</h1>

</body>
</html>

```

background-color

```

<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>
        <style>

            h1
            {
                color:blue;
                background-color:yellow;
            }
        </style>
    </head>

```

```
<body>

    <h1> Heading Tag</h1>

</body>
</html>
```

text-align

ex:

```
<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
    <style>

        h1
        {
            color:blue;
            background-color:yellow;
            text-align:right;
        }
    </style>
  </head>
  <body>

    <h1> Heading Tag</h1>
```

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

ex:

```
<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
    <style>

        h1
        {
            color:blue;
            background-color:yellow;
            text-align:center;
        }
    </style>
  </head>
  <body>

    <h1> Heading Tag</h1>

  </body>
</html>
```

ex:

```
<!DOCTYPE html>
```



```

<html>
  <head>
    <title>MyPage!</title>
    <style>

      h1
      {
        color:blue;
        background-color:yellow;
        text-align:left;
      }
    </style>
  </head>
  <body>

    <h1> Heading Tag</h1>

  </body>
</html>

```

text-transform

ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>MyPage!</title>
```

```

        <style>

            h1
            {
                color:blue;
                background-color:yellow;
                text-align:center;
                text-transform:uppercase;
            }
        </style>
    </head>
    <body>

        <h1> heading tag</h1>

    </body>
</html>

```

ex:

```

<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>
        <style>

            h1
            {
                color:blue;
                background-color:yellow;

```

```

        text-align:center;
        text-transform:lowercase;
    }
</style>
</head>
<body>

    <h1> heading tag</h1>

</body>
</html>

```

ex:

```

<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>
        <style>

            h1
            {
                color:blue;
                background-color:yellow;
                text-align:center;
                text-transform:capitalize;
            }
        </style>
    </head>
    <body>

```

```
<h1> heading tag</h1>
```

```
</body>
```

```
</html>
```

text-decoration

ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>MyPage!</title>
```

```
    <style>
```

```
      h1
```

```
      {
```

```
        color:blue;
```

```
        background-color:yellow;
```

```
        text-align:center;
```

```
        text-transform:capitalize;
```

```
        text-decoration:underline;
```

```
      }
```

```
    </style>
```

```
  </head>
```

```
  <body>
```

```
<h1> heading tag</h1>
```

```
</body>
```

```
</html>
```

ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>MyPage!</title>
```

```
    <style>
```

```
      h1
```

```
      {
```

```
        color:blue;
```

```
        background-color:yellow;
```

```
        text-align:center;
```

```
        text-transform:capitalize;
```

```
        text-decoration:none;
```

```
      }
```

```
    </style>
```

```
  </head>
```

```
  <body>
```

```
    <h1> heading tag</h1>
```

```
  </body>
```

```
</html>
```

letter-spacing

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>MyPage!</title>
```

```
    <style>
```

```
      h1
```

```
      {
```

```
        color:blue;
```

```
        background-color:yellow;
```

```
        text-align:center;
```

```
        text-transform:capitalize;
```

```
        text-decoration:none;
```

```
        letter-spacing:4px;
```

```
      }
```

```
    </style>
```

```
  </head>
```

```
  <body>
```

```
    <h1> heading tag</h1>
```

```
  </body>
```

```
</html>
```

font-size

```
-----  
<!DOCTYPE html>  
<html>  
  <head>  
    <title>MyPage!</title>  
    <style>  
  
      h1  
      {  
  
        color:blue;  
        background-color:yellow;  
        text-align:center;  
        text-transform:capitalize;  
        text-decoration:none;  
        letter-spacing:4px;  
        font-size:80px;  
      }  
    </style>  
  </head>  
  <body>  
  
    <h1> heading tag</h1>  
  
  </body>  
</html>
```

font-family

ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>MyPage!</title>
```

```
    <style>
```

```
      h1
```

```
      {
```

```
        color:blue;
```

```
        background-color:yellow;
```

```
        text-align:center;
```

```
        text-transform:capitalize;
```

```
        text-decoration:none;
```

```
        letter-spacing:4px;
```

```
        font-size:80px;
```

```
        font-family:cursive;
```

```
      }
```

```
    </style>
```

```
  </head>
```

```
  <body>
```

```
    <h1> heading tag</h1>
```

```
  </body>
```

```
</html>
```

ex:

```
<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
    <style>

      h1
      {
        color:blue;
        background-color:yellow;
        text-align:center;
        text-transform:capitalize;
        text-decoration:none;
        letter-spacing:4px;
        font-size:80px;
        font-family:monospace;
      }
    </style>
  </head>
  <body>

    <h1> heading tag</h1>

  </body>
</html>
```

ex:

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

```

<head>
  <title>MyPage!</title>
  <style>

    h1
    {
      color:blue;
      background-color:yellow;
      text-align:center;
      text-transform:capitalize;
      text-decoration:none;
      letter-spacing:4px;
      font-size:80px;
      font-family:Fantasy ;
    }
  </style>
</head>
<body>

  <h1> heading tag</h1>

</body>
</html>

```

font-weight

ex:

--

```
<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
    <style>

      span
      {
        font-weight:bold;
      }

    </style>
  </head>
  <body>

    <span>This is span tag</span>

  </body>
</html>
```

ex:

```
<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
    <style>

      span
      {
```

```

        font-weight:600;
    }

</style>
</head>
<body>

    <span>This is span tag</span>

</body>
</html>

```

CSS overflow property

=====

The overflow property specifies what should happen if content overflow.

This property specifies whether to clip content or to add scrollbars when an element content is too big to fit in a specified area.

Note:

The overflow property works for block elements with a specified height.

value	Description
-----	-----
visible	The overflow is not clipped. It is rendered outside the element's box and it is the default value.

hidden the overflow is clipped and rest of the content will be invisible.

scroll The overflow is clipped, but a scroll-bar is added to see the rest of the content .

auto The overflow is clipped, a scroll-bar should be added to the rest of the content.

ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>MyPage!</title>
```

```
    <style>
```

```
      div
```

```
      {
```

```
        width:200px;
```

```
        height:200px;
```

```
        border:2px solid black;
```

```
        overflow:visible;
```

```
      }
```

```
    </style>
```

```
  </head>
```

```
  <body>
```

```
    <div>
```

Web technology refers to the means by which computers communicate with each other using markup languages and multimedia packages.

It gives us a way to interact with hosted information, like websites.

Web technology involves the use of hypertext markup language (HTML) and cascading style sheets (CSS).

It gives us a way to interact with hosted information, like websites.

Web technology involves the use of hypertext markup language (HTML) and cascading style sheets (CSS).

```
</div>
```

```
</body>
```

```
</html>
```

ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>MyPage!</title>
```

```
<style>
```

```
div
```

```
{
```

```
width:200px;
```

```
height:200px;
```

```
border:2px solid black;
```

```
overflow:hidden;
```

```
}
```

```
</style>
```

```
</head>
```

```
<body>

    <div>

        Web technology refers to the means by which computers communicate
        with each other using markup languages and multimedia packages.
        It gives us a way to interact with hosted information, like websites.
        Web technology involves the use of hypertext markup language (HTML)
        and cascading style sheets (CSS).

        It gives us a way to interact with hosted information, like websites.
        Web technology involves the use of hypertext markup language (HTML)
        and cascading style sheets (CSS).

    </div>

</body>
</html>
```

ex:

```
<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>
        <style>

            div
            {

                width:200px;
                height:200px;
                border:2px solid black;
                overflow:scroll;
```

```

        }

    </style>
</head>
<body>

    <div>

        Web technology refers to the means by which computers communicate
        with each other using markup languages and multimedia packages.
        It gives us a way to interact with hosted information, like websites.
        Web technology involves the use of hypertext markup language (HTML)
        and cascading style sheets (CSS).
        It gives us a way to interact with hosted information, like websites.
        Web technology involves the use of hypertext markup language (HTML)
        and cascading style sheets (CSS).

    </div>

</body>
</html>

```

ex:

```

<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>
        <style>

            div
            {

```



```

        width:200px;
        height:200px;
        border:2px solid black;
        overflow:auto;
    }

</style>
</head>
<body>
    <div>
        Web technology refers to the means by which computers communicate
        with each other using markup languages and multimedia packages.
        It gives us a way to interact with hosted information, like websites.

    </div>

</body>
</html>

```

CSS box-shadow property

=====

The box-shadow property attaches one or more shadows to an element.

syntax

box-shadow: none | h-offset v-offset blur spread color

ex:

box-shadow: 2px 2px 3px 10px blue;

ex:

<!DOCTYPE html>

<html>

<head>

<title>MyPage!</title>

<style>

div

{

width:200px;

height:200px;

margin:50px auto;

border-radius:15px;

overflow:hidden;

box-shadow: 2px 2px 25px 6px #FF0000;

}

</style>

</head>

<body>

<div>

</div>

</body>

</html>

ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>MyPage!</title>
```

```
    <style>
```

```
      div
```

```
      {
```

```
        width:200px;
```

```
        height:200px;
```

```
        margin:50px auto;
```

```
        border-radius:15px;
```

```
        overflow:hidden;
```

```
        box-shadow: 2px 2px 25px 6px #FF0000 inset;
```

```
      }
```

```
    </style>
```

```
  </head>
```

```
  <body>
```

```
    <div>
```

```
  </div>
```

```
</body>
```

```
</html>
```

CSS Design

=====

<!DOCTYPE html>

<html>

 <head>

 <title>MyPage!</title>

 <style>

 body

 {

 background-image: url("images/bg.jpg");

 background-repeat:no-repeat;

 background-size:cover;

 background-position:center 0px;

 background-attachment:fixed;

 }

 div

 {

 width:300px;

 height:300px;

 box-shadow:2px 2px 17px 4px #FFF;

 background-color:transparent;

 margin:100px auto;

 text-align:justify;

 font-weight:bold;

 }

 p

 {

 padding: 20px;

 color:#FFF;

```

        }
    </style>
</head>
<body>
    <div>
        <p>

```

Web technology refers to the means by which computers communicate with each other using markup languages and multimedia packages. It gives us a way to interact with hosted information, like websites. Web technology involves the use of hypertext markup language (HTML) and cascading style sheets (CSS).

Web technology refers to the means by which computers communicate with each other using markup languages and multimedia packages.

```

        </p>
    </div>

```

```

</body>
</html>

```

CSS float property

=====

It is widely used property on a web page.

The float property specifies how an element should float.

value	Description
-----	-----
none	The element does not float.
left	the element floats to the left of its container.

right The element floats to the right of its container.

ex:1

```
<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
    <style>
      div
      {
        width:300px;
        height:300px;
        border:2px solid blue;
        float:none;
      }
    </style>
  </head>
  <body>
    <div>

    </div>
    <div>

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

ex:2

```
<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
    <style>
      div
      {
        width:300px;
        height:300px;
        border:2px solid blue;
        float:left;
      }
    </style>
  </head>
  <body>
    <div>

    </div>
    <div>

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

ex:3

```
<!DOCTYPE html>
```

```

<html>
  <head>
    <title>MyPage!</title>
    <style>
      div
      {
        width:300px;
        height:300px;
        border:2px solid blue;
        float:right;
      }
    </style>
  </head>
  <body>
    <div>

    </div>
    <div>

    </div>
  </body>
</html>

```

ex:4

```

<!DOCTYPE html>
<html>
  <head>

```



```

<title>MyPage!</title>

<style>
    div
    {
        width:300px;
        height:300px;
        border:2px solid blue;
        float:left;
        margin:50px 140px;
    }
</style>
</head>
<body>
    <div>

    </div>
    <div>

    </div>
</body>
</html>

```

> Types of selectors in CSS

=====

We have five selectors in CSS.

1)Element selector

The element selector selects HTML elements based on element name.

ex:

```
<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
    <style>
      h1
      {
        color:blue;
        background-color:cyan;
        text-align:center;
      }
    </style>
  </head>
  <body>
    <h1> Heading Tag </h1>
    <h1> Heading Tag </h1>
  </body>
</html>
```

2)Id selector

The id selector uses the id attribute of an HTML element to select a specific element.

The id of an element is unique within a page, so the id selector is used to select one unique element.

To select an element with a specific id, write a hash (#) character, followed by the id of the element.

ex:

```
<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
    <style>
      #id1
      {
        color:blue;
        background-color:cyan;
      }
      #id2
      {
        text-align:center;
      }
    </style>
  </head>
  <body>
    <h1 id="id1"> Heading Tag </h1>
    <h1 id="id2"> Heading Tag </h1>
  </body>
</html>
```

Once element can accept only one ID at a time.

ex:

```
<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
    <style>
      #id1
      {
        color:blue;
        background-color:cyan;
      }
      #id2
      {
        text-align:center;
      }
    </style>
  </head>
  <body>
    <h1 id="id1"> Heading Tag </h1>
    <h1 id="id2"> Heading Tag </h1>
    <h1 id="id1 id2"> Heading Tag</h1>
  </body>
</html>
```

3)Class selector

The class selector selects HTML elements with a specific class attribute.

To select elements with a specific class, write a period (.) character, followed by the class name.

ex:

```
<!DOCTYPE html>

<html>

  <head>

    <title>MyPage!</title>

    <style>

      .myClass1

      {

        color:blue;

        background-color:cyan;

      }

      .myClass2

      {

        text-align:center;

      }

    </style>

  </head>

  <body>

    <h1 class="myClass1"> Heading Tag </h1>

    <h1 class="myClass2"> Heading Tag </h1>

  </body>

</html>
```

We can declare multiple classes in a single element.

ex:

```
<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
    <style>
      .myClass1
      {
        color:blue;
        background-color:cyan;
      }
      .myClass2
      {
        text-align:center;
      }
    </style>
  </head>
  <body>
    <h1 class="myClass1"> Heading Tag </h1>
    <h1 class="myClass2"> Heading Tag </h1>
    <h1 class="myClass1 myClass2"> Heading Tag</h1>
  </body>
</html>
```

4)Group selector

The grouping selector selects all the HTML elements with the same style definitions

ex:

--

```
<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
    <style>
      h1,p,div
      {
        color:red;
        background-color:rgb(255, 255, 0);
        text-align:center;
      }
    </style>
  </head>
  <body>
    <h1>Heading Tag</h1>
    <p>Paragraph Tag</p>
    <div>Division T ag</div>
  </body>
</html>
```

5)Universal selector

The universal selector (*) selects all HTML elements on the page.

ex:

```

<!DOCTYPE html>

<html>

    <head>

        <title>MyPage!</title>

        <style>

            *

            {

                color:red;

                background-color:rgb(255, 255, 0);

                text-align:center;

            }

        </style>

    </head>

    <body>

        <h1>Heading Tag</h1>

        <p>Paragraph Tag</p>

        <div>Division T ag</div>

    </body>

</html>

```

CSS Design 1

=====

Task1

|

|-----css

|

|---mystyles.css

|-----images

|


```
|---rock.jpg
|
|-----index.html
```

index.html

```
-----
<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>

    <!-- add external css -->
    <link rel="stylesheet" href="css/mystyles.css">

  </head>
  <body>

    <div class="container">

      <div class="box1">
        
      </div>

      <div class="box2">
        <h3>Dwayne Johnson</h3>

        <p>
```

Dwayne Douglas Johnson (born May 2, 1972), also known by his ring name The Rock, is an American actor, businessman, and professional wrestler. He is currently signed to WWE. Widely regarded as one of the greatest professional wrestlers of all time,[5][6] he was integral to the development and success of the World Wrestling Federation (WWF, now WWE) during the Attitude Era, an industry boom period in the late 1990s and early 2000s. Johnson wrestled for the WWF for eight years before pursuing an acting career. His films have grossed over \$3.5 billion in North America and over \$10.5 billion worldwide,[7] making him one of the world's highest-grossing and highest-paid actors.[8][9][10] He is a co-owner of the United Football League, a professional American football league.[11][12][13] He is also a member of the board of directors of TKO Group Holdings, the parent company of UFC and WWE

</p>

</div>

</div>

</body>

</html>

mystyles.css

*

{

margin:0;

padding:0;

}

body

{

background-color:#2bcbbba;

}

.container

{

```

        width:800px;
        height:400px;
        /*background-color:#00FF00;*/
        margin:100px auto;
        box-shadow: 2px 2px 17px 4px #FFF;
    }
    .box1<!
    {
        width:400px;
        height:400px;
        /*background-color:rgb(255,0,0);*/
        float:left;
    }
    .container .box1 img
    {
        width:100%;
        height:100%;
    }
    .box2
    {
        width:400px;
        height:400px;
        /*background-color:hsl(60,100%,50%);*/
        float:right;
    }

    .container .box2 h3
    {
        text-align:center;
    }

```

```

        padding:15px;
        text-decoration:underline;
    }
.container .box2 p
{
    padding:15px;
    text-align:justify;
}

```

CSS clear property

=====

The clear property controls the flow next to floated elements.

ex:1

```

<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>
        <style>
            #box1
            {
                width:200px;
                height:200px;
                background-color:rgb(255,0,0);
                float:left;
            }

```

```

        #box2
        {
            width:200px;
            height:200px;
            background-color:hsl(60, 100%, 50%);
            float:left;
        }
    </style>
</head>
<body>

    <div id="box1"></div>
    <div id="box2"></div>

</body>
</html>

```

ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>MyPage!</title>
```

```
    <style>
```

```
      #box1
```

```
      {
```

```
        width:200px;
```

```
        height:200px;
```

```
        background-color:rgb(255,0,0);
```

```
        float:left;
```

```
      }
```

```

        #box2
        {
            width:200px;
            height:200px;
            background-color:hsl(60, 100%, 50%);
            float:right;
        }
    </style>
</head>
<body>

    <div id="box1"></div>
    <div id="box2"></div>

</body>
</html>

```

ex:3

```

<!DOCTYPE html>

<html>

    <head>

        <title>MyPage!</title>

        <style>

            #box1

            {

                width:200px;

                height:200px;

                background-color:rgb(255,0,0);

                float:left;

            }

```

```

        #box2
        {
            width:200px;
            height:200px;
            background-color:hsl(60, 100%, 50%);
            float:right;
        }
        #box3
        {
            width:100%;
            height:200px;
            background-color:#00ff00;
            clear:none;
        }
    </style>
</head>
<body>

        <div id="box1"></div>

        <div id="box2"></div>

        <div id="box3"></div>

    </body>
</html>

```

ex:4

```

<!DOCTYPE html>

<html>

    <head>

        <title>MyPage!</title>

```

```
<style>

    #box1
    {
        width:200px;
        height:200px;
        background-color:rgb(255,0,0);
        float:left;
    }
    #box2
    {
        width:200px;
        height:200px;
        background-color:hsl(60, 100%, 50%);
        float:right;
    }
    #box3
    {
        width:100%;
        height:200px;
        background-color:#00ff00;
        clear:both;
    }
</style>

</head>
<body>

    <div id="box1"></div>
    <div id="box2"></div>
    <div id="box3"></div>

</body>
```



```
</html>
```

ex:5

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>MyPage!</title>
```

```
    <style>
```

```
      #box1
```

```
      {
```

```
        width:200px;
```

```
        height:300px;
```

```
        background-color:rgb(255,0,0);
```

```
        float:left;
```

```
      }
```

```
      #box2
```

```
      {
```

```
        width:200px;
```

```
        height:200px;
```

```
        background-color:hsl(60, 100%, 50%);
```

```
        float:right;
```

```
      }
```

```
      #box3
```

```
      {
```

```
        width:100%;
```

```
        height:200px;
```

```
        background-color:#00ff00;
```

```
        clear:left;
```

```

        }
    </style>
</head>
<body>

    <div id="box1"></div>

    <div id="box2"></div>

    <div id="box3"></div>

</body>
</html>

```

ex:6

```

<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>
        <style>
            #box1
            {
                width:200px;
                height:300px;
                background-color:rgb(255,0,0);
                float:left;
            }
            #box2
            {
                width:200px;
                height:200px;
                background-color:hsl(60, 100%, 50%);

```

```

        float:right;
    }
    #box3
    {
        width:100%;
        height:200px;
        background-color:#00ff00;
        clear:right;
    }
</style>
</head>
<body>

    <div id="box1"></div>
    <div id="box2"></div>
    <div id="box3"></div>

</body>
</html>

```

CSS Display property

=====

The display property specifies the display behaviour of an element.

syntax

display: value;

value	description
-------	-------------

none	The element is completely removed.
inline	displays an element as on inline element. Any height and width properties will not effect.
block	Displays an element as block element. IT starts on a new line and takes up the whole width.
inline-block	displays an element as an inline-level container. The element itself is formatting as an inline element. but we can apply height and width values.
inherit	Inherits this property from its parent element.

ex:1

```
<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
    <style>
      h1
      {
        display:none;
      }
      p
```

```

        {
            display:none;
        }
    </style>
</head>
<body>

    <h1>Heading Tag</h1>
    <p>Paragraph Tag</p>

</body>
</html>

```

ex:2

```

<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>
        <style>
            div
            {
                display:inline;
            }
        </style>
    </head>
    <body>

        <div>Division Tag</div>
        <div>Division Tag</div>
        <div>Division Tag</div>

    </body>

```

```
</html>
```

ex:3

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>MyPage!</title>
```

```
    <style>
```

```
      span
```

```
      {
```

```
        display:block;
```

```
        border:2px solid black;
```

```
        width:50%;
```

```
      }
```

```
    </style>
```

```
  </head>
```

```
  <body>
```

```
    <span>Span Tag</span>
```

```
    <span>Span Tag</span>
```

```
    <span>Span Tag</span>
```

```
  </body>
```

```
</html>
```

ex:4

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```

        <title>MyPage!</title>
        <style>
            span
            {
                display:inline-block;
                border:2px solid black;
                width:200px;
            }
        </style>
    </head>
    <body>
        <span>Span Tag</span>
        <span>Span Tag</span>
        <span>Span Tag</span>
    </body>
</html>

```

box-sizing property

=====

The box-sizing property defines how the width and height of an element are calculated: should they include padding and borders, or not.

box-sizing:content-box

It will take separate width,border and padding.But it will not take margin.

ex:1

<!DOCTYPE html>

```

<html>
  <head>
    <title>MyPage!</title>
    <style>
      div
      {
        width:300px;
        height:300px;
        background-color:yellow;
        border:2px solid red;
        padding:10px;
        box-sizing:content-box;
      }
    </style>
  </head>
  <body>
    <div></div>
  </body>
</html>

```

box-sizing:border-box

It includes width,border and padding.But it will not include marging.

ex:2

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```



```

        <title>MyPage!</title>

        <style>
            div
            {
                width:300px;
                height:300px;
                background-color:yellow;
                border:2px solid red;
                padding:10px;
                box-sizing:border-box;
            }
        </style>
    </head>
    <body>
        <div></div>

    </body>
</html>

```

CSS Design2

=====

Task2

```

|
|----css
|
|----mystyles.css
|
|----index.html

```

index.html

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>MyPage!</title>
```

```
    <!-- add external css -->
```

```
    <link rel="stylesheet" href="css/mystyles.css">
```

```
  </head>
```

```
  <body>
```

```
    <header class="header">
```

```
      <h3> I<span>HUB</span>TALENT </h3>
```

```
      <ul>
```

```
        <li><a href="">Home </a></li>
```

```
        <li><a href="">About </a></li>
```

```
        <li><a href="">Service </a></li>
```

```
        <li><a href="">Portfolio </a></li>
```

```
        <li><a href="">Contact </a></li>
```

```
      </ul>
```

```
    </header>
```

```
  </body>
```

```
</html>
```

mystyles.css

```
*
```

```
{
```

```

        margin:0;
        padding:0;
    }
    .header
    {
        width:100%;
        height:40px;
        background-color:#c56cf0;
    }
    h3
    {
        float:left;
        padding-left:20px;
        padding-top:10px;
        color:#FFF;
    }
    h3 span
    {
        font-style:italic;
        color:#000;
    }
    ul
    {
        float:right;
        list-style-type:none;
    }
    ul li
    {
        display:inline-block;

```

```

        width:90px;
    }
    ul li a
    {
        text-decoration:none;
        color:#FFF;
        font-size:15px;
        line-height:40px;
    }
    ul li a:hover
    {
        color:#000;
    }

```

CSS transform property

=====

CSS transform property allows use to move ,rotate or skew elements.

CSS transform property contains following transformation methods.

ex:

```

translate()
rotate()
scaleX()
scaleY()
skewX()
skewY()
skew()

```

transform: translate()

The translate() method moves an element from its current position to the parameters given by the X-axis and the Y-axis.

ex:

ex:1

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>MyPage!</title>
```

```
    <style>
```

```
      div
```

```
      {
```

```
        width:200px;
```

```
        height:200px;
```

```
        border:2px solid black;
```

```
        box-sizing:border-box;
```

```
        transform:translate(200px,100px);
```

```
      }
```

```
    </style>
```

```
  </head>
```

```
  <body>
```

```
    <div>
```

CSS is used to apply the styles on elements to describe how an element should look like and to perform some sort of animations.

```
        </div>

    </body>
</html>
```

transform: scaleX()

The scaleX() method increases and decreases the width of the element.

ex:

```
<!DOCTYPE html>
<html>
  <head>
    <title>IHUB TALENT</title>
    <style>
      div
      {
        width:300px;
        height:200px;
        border:2px solid black;
        margin:100px auto;
        transform:scaleX(2);
      }
    </style>
  </head>
  <body>

    <div>
```

HTML is widely used language on web to develop web pages and web applications

```
</div>
```

```
</body>
```

```
</html>
```

transform: scaleY()

The scaleX() method increases and decreases the height of the element.

ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>IHUB TALENT</title>
```

```
<style>
```

```
div
```

```
{
```

```
width:300px;
```

```
height:200px;
```

```
border:2px solid black;
```

```
margin:100px auto;
```

```
transform:scaleY(2);
```

```
}
```

```
</style>
```

```

    </head>
    <body>

        <div>
            HTML is widely used language on web to develop web pages and web
applications
        </div>

    </body>
</html>

```

transform : scale()

The scaleX() method increases and decreases the width and height of the element.

ex:

```

<!DOCTYPE html>
<html>
    <head>
        <title>IHUB TALENT</title>
        <style>
            div
            {
                width:300px;
                height:200px;
                border:2px solid black;

```



```

        margin:100px auto;
        transform:scale(2);
    }
</style>

</head>
<body>

    <div>
        HTML is widely used language on web to develop web pages and web
        applications
    </div>

</body>
</html>

```

transform: skewX()

The skewX() method skews an element along the X-axis by the given angle.

ex:

```

<!DOCTYPE html>
<html>
    <head>
        <title>IHUB TALENT</title>
        <style>
            div
            {

```

```

        width:300px;
        height:200px;
        border:2px solid black;
        margin:100px auto;
        transform:skewX(30deg);
    }
</style>

</head>
<body>

    <div>
        HTML is widely used language on web to develop web pages and web
        applications
    </div>

</body>
</html>

```

transform: skewY()

The skewY() method skews an element along the Y-axis by the given angle.

ex:

```

<!DOCTYPE html>
<html>
    <head>

```

```

<title>IHUB TALENT</title>

<style>
    div
    {
        width:300px;
        height:200px;
        border:2px solid black;
        margin:100px auto;
        transform:skewY(30deg);
    }
</style>

</head>
<body>

    <div>
        HTML is widely used language on web to develop web pages and web
applications
    </div>

</body>
</html>

```

transform: skew()

The skew() method skews an element along the X-axis and Y-axis by the given angle.

ex:

```
<!DOCTYPE html>
<html>
  <head>
    <title>IHUB TALENT</title>
    <style>
      div
      {
        width:300px;
        height:200px;
        border:2px solid black;
        margin:100px auto;
        transform:skew(30deg);
      }
    </style>
  </head>
  <body>
    <div>
      HTML is widely used language on web to develop web pages and web
      applications
    </div>
  </body>
</html>
```

transform: rotate()

The rotate() method rotates an element clockwise or counter-clockwise according to a given degree.

ex:8

<!DOCTYPE html>

<html>

 <head>

 <title>MyPage!</title>

 <style>

 div

 {

 width:200px;

 height:200px;

 border:2px solid black;

 box-sizing:border-box;

 margin:50px auto;

 transform:rotate(30deg);

 }

 </style>

 </head>

 <body>

 <div>

 CSS is used to apply the styles on elements to describe how an
 element should look like and to perform some sort of animations.

 </div>

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

ex:9

```
<!DOCTYPE html>
```

```
<html>
  <head>
    <title>MyPage!</title>
    <style>
      div
      {
        width:200px;
        height:200px;
        border:2px solid black;
        box-sizing:border-box;
        margin:50px auto;
        transform:rotate(-30deg);
      }
    </style>
  </head>
  <body>
    <div>
      CSS is used to apply the styles on elements to describe how an
      element should look like and to perform some sort of animations.
    </div>
  </body>
```

</html>

CSS transition property

=====

CSS transition property allows us to change property value smoothly , over a given duration.

To see the effects on an element ,we need to use mouse over to the element.

We have following properties in CSS transition.

ex:

transition-delay
transition-duration
transition-property
transition-timing-function
or
transition

ex:

<!DOCTYPE html>

<html>

<head>

<title>MyPage!</title>

<style>

div

{

width:200px;

```

        height:200px;
        background-color:red;
        box-sizing:border-box;
        transition-property:width,height;
    }
    div:hover
    {
        width:400px;
        height:400px;
    }
</style>
</head>
<body>
    <div>
    </div>
</body>
</html>

```

ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
    <head>
```

```
        <title>MyPage!</title>
```

```
        <style>
```

```
            div
```

```
            {
```

```
                width:200px;
```



```

        height:200px;
        background-color:red;
        box-sizing:border-box;
        transition-property:all;
    }
    div:hover
    {
        width:400px;
        height:400px;
    }
</style>
</head>
<body>
    <div>
    </div>
</body>
</html>

```

ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
    <head>
```

```
        <title>MyPage!</title>
```

```
        <style>
```

```
            div
```

```
            {
```

```
                width:200px;
```

```

        height:200px;
        background-color:red;
        box-sizing:border-box;
        transition-property:all;
        transition-duration:3s;
    }
    div:hover
    {
        width:400px;
        height:400px;
    }
</style>
</head>
<body>
    <div>
    </div>
</body>
</html>

```

ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>MyPage!</title>
```

```
    <style>
```

```
      div
```

```
    {
```

```

        width:200px;
        height:200px;
        background-color:red;
        box-sizing:border-box;
        transition-property:all;
        transition-duration:3s;
        transition-timing-function:linear;
    }
    div:hover
    {
        width:400px;
        height:400px;
    }
</style>
</head>
<body>
    <div>
    </div>
</body>
</html>

```

ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>MyPage!</title>
```

```
    <style>
```

```

        div
        {
            width:200px;
            height:200px;
            background-color:red;
            box-sizing:border-box;
            transition-property:all;
            transition-duration:3s;
            transition-timing-function:ease-in;
        }
        div:hover
        {
            width:400px;
            height:400px;
        }
    </style>
</head>
<body>

        <div>

        </div>

    </body>
</html>

```

ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
    <head>
```

```

<title>MyPage!</title>
<style>
    div
    {
        width:200px;
        height:200px;
        background-color:red;
        box-sizing:border-box;
        transition-property:all;
        transition-duration:3s;
        transition-timing-function:ease-out;
    }
    div:hover
    {
        width:400px;
        height:400px;
    }
</style>
</head>
<body>
    <div>
    </div>
</body>
</html>
ex:
---
<!DOCTYPE html>

<html>

```

```

<head>
  <title>MyPage!</title>
  <style>
    div
    {
      width:200px;
      height:200px;
      background-color:red;
      box-sizing:border-box;
      transition-property:all;
      transition-duration:3s;
      transition-timing-function:ease-in-out;
    }
    div:hover
    {
      width:400px;
      height:400px;
    }
  </style>
</head>
<body>
  <div>
  </div>
</body>
</html>

```

ex:

```
<!DOCTYPE html>
```

```
<html>
  <head>
    <title>MyPage!</title>
    <style>
      div
      {
        width:200px;
        height:200px;
        background-color:red;
        box-sizing:border-box;
        transition-property:all;
        transition-duration:3s;
        transition-timing-function:ease-in-out;
        transition-delay:5s;
      }
      div:hover
      {
        width:400px;
        height:400px;
      }
    </style>
  </head>
  <body>
    <div>
    </div>
  </body>
</html>
```

ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>MyPage!</title>
```

```
    <style>
```

```
      div
```

```
      {
```

```
        width:200px;
```

```
        height:200px;
```

```
        background-color:red;
```

```
        box-sizing:border-box;
```

```
        transition:all 2s linear 3s;
```

```
      }
```

```
      div:hover
```

```
      {
```

```
        width:400px;
```

```
        height:400px;
```

```
        background-color:blue;
```

```
      }
```

```
    </style>
```

```
  </head>
```

```
  <body>
```

```
    <div>
```

```
  </div>
```

```
</body>
```

```
</html>
```


CSS Design 1

=====

```
<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
    <style>
      img
      {
        width:250px;
        height:250px;
        margin:100px 400px;
        transition:all 2s linear;
      }
      img:hover
      {
        transform:rotate(360deg);
      }
    </style>
  </head>
  <body>
    
  </body>
</html>
```

CSS Design 2

=====

```
<!DOCTYPE html>

<html>

  <head>

    <title>MyPage!</title>

    <style>

      img

      {

        width:300px;

        height:300px;

        margin:100px 30px;

        filter:grayscale(100%);

        transition:all 1s linear;

      }

      img:hover

      {

        transform:scale(1.2);

        filter:grayscale(0);

      }

    </style>

  </head>

  <body>

    <div>

      

      

      

    </div>

  </body>
```

</html>

CSS position property

=====

The position property specifies the type of positioning method used for an element (static, relative, absolute, fixed, or sticky).

The following are the list of values to position property.

static

It is default value. Elements render in order, as they appear in the document flow.

absolute

The element is positioned relative to its first positioned (not static) ancestor element.

fixed

The element is positioned relative to the browser window.

relative

The element is positioned relative to its normal position, so "left:20px" adds 20 pixels to the element's LEFT position.

sticky

The element is positioned based on the user's scroll position

css position property mandatory should have following properties.

- i)left
- ii)right
- iii)top
- iv)bottom

ex:

```
<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
    <style>
      img
      {
        width:200px;
        height:200px;
        border:2px solid black;
        position:static;
        top:0;
        left:0;
      }
    </style>
  </head>
  <body>
```

<p>

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</p>

</body>

</html>

ex:

<!DOCTYPE html>

<html>

<head>

<title>MyPage!</title>

<style>

img

{

width:200px;

height:200px;

border:2px solid black;

position:absolute;

top:100px;

left:100px;

}

</style>

</head>

<body>

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</p>

</body>

</html>

ex:

<!DOCTYPE html>

<html>

<head>

<title>MyPage!</title>

<style>

img

{

width:200px;

height:200px;

border:2px solid black;

position:relative;

top:100px;

left:100px;

}

</style>

</head>

<body>

<p>

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</p>

</body>

</html>

ex:

<!DOCTYPE html>

<html>

<head>

<title>MyPage!</title>

<style>

img

{

width:200px;

height:200px;

border:2px solid black;

position:fixed;

top:100px;

```
        left:100px;
    }
</style>
</head>
<body>
```

Web technology refers to the means by which computers communicate with each other using markup languages and multimedia packages. It gives us a way to interact with hosted information, like websites. Web technology involves the use of hypertext markup language (HTML) and cascading style sheets (CSS).

```
</p>
```

```
<p>
```

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```
</p>
```

```

```

```
<p>
```

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```
</p>
```

```
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```
</p>
```

```
<p>
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</p>

</body>

</html>

ex:

<!DOCTYPE html>

<html>

<head>

<title>MyPage!</title>

<style>

img

{

width:200px;

height:200px;

border:2px solid black;


```
        position:sticky;
        top:100px;
        left:100px;
    }
</style>
</head>
<body>
```

```
<p>
```

Web technology refers to the means by which computers communicate with each other using markup languages and multimedia packages. It gives us a way to interact with hosted information, like websites. Web technology involves the use of hypertext markup language (HTML) and cascading style sheets (CSS).

```
</p>
```

```
<p>
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```
</p>
```

```

```

```
<p>
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```
</p>
```

```
<p>
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</p>

</body>

</html>

ex:

<!DOCTYPE html>

<html>

<head>

<title>MyPage</title>

<style>

.image1

{

```

        width:200px;
        height:200px;
        position:relative;
        left:420px;

    }
    .image2
    {
        width:200px;
        height:200px;

    }

</style>
</head>
<body>
    
    

</body>
</html>

```

CSS z-index property

=====

The z-index property specifies the stack order of an element.

An element with greater stack order is always in front of an element with a lower stack order.

Note: z-index only works on positioned elements.

ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>MyPage!</title>
```

```
    <style>
```

```
      img
```

```
      {
```

```
        width:200px;
```

```
        height:200px;
```

```
        border:2px solid black;
```

```
        background-color:#FFF;
```

```
        position:absolute;
```

```
        top:0;
```

```
        left:0;
```

```
        z-index:1;
```

```
      }
```

```
    </style>
```

```
  </head>
```

```
  <body>
```

```
    <p>
```

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```
    </p>
```

```
    <p>
```

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```
    </p>
```

<p>

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</p>

</body>

</html>

ex:

<!DOCTYPE html>

<html>

<head>

<title>MyPage!</title>

<style>

img

{

width:200px;

height:200px;

border:2px solid black;

background-color:#FFF;

```
        position:absolute;
        top:0;
        left:0;
        z-index:-1;
    }
</style>
</head>
<body>
    <p>
```

Web technology refers to the means by which computers communicate with each other using markup languages and multimedia packages. It gives us a way to interact with hosted information, like websites. Web technology involves the use of hypertext markup language (HTML) and cascading style sheets (CSS).

```
</p>
```

```
<p>
```

Web technology refers to the means by which computers communicate with each other using markup languages and multimedia packages. It gives us a way to interact with hosted information, like websites. Web technology involves the use of hypertext markup language (HTML) and cascading style sheets (CSS).

```
</p>
```

```
<p>
```

Web technology refers to the means by which computers communicate with each other using markup languages and multimedia packages. It gives us a way to interact with hosted information, like websites. Web technology involves the use of hypertext markup language (HTML) and cascading style sheets (CSS).

```
</p>
```

```
<p>
```

Web technology refers to the means by which computers communicate with each other using markup languages and multimedia packages. It gives us a way to interact with hosted information, like websites. Web technology involves the use of hypertext markup language (HTML) and cascading style sheets (CSS).

```
</p>
```

```

```

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

CSS opacity property

=====

The opacity property sets the opacity level for an element.

The opacity-level describes the transparency-level, where 1 is not transparent at all, 0.5 is 50% see-through, and 0 is completely transparent.

ex:

```
<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
    <style>
      div
      {
        margin:50px auto;
        background-color:red;
        width:200px;
        height:200px;
        opacity:1;
      }
    </style>
```



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

    </div>

</body>
</html>
```

ex:

```
<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
    <style>
      div
      {
        margin:50px auto;
        background-color:red;
        width:200px;
        height:200px;
        opacity:0.5;
      }
    </style>
  </head>
  <body>
    <div>
```

```
</div>
```

```
</body>
```

```
</html>
```

ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>MyPage!</title>
```

```
    <style>
```

```
      div
```

```
      {
```

```
        margin:50px auto;
```

```
        background-color:red;
```

```
        width:200px;
```

```
        height:200px;
```

```
        opacity:0.1;
```

```
      }
```

```
    </style>
```

```
  </head>
```

```
  <body>
```

```
    <div>
```

```
  </div>
```

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

CSS Gradients

=====

CSS gradients let you display smooth transitions between two or more specified colors.

CSS defines three types of gradients:

1)Linear Gradients (goes down/up/left/right/diagonally)

2)Conic Gradients (rotated around a center point)

3)Radial Gradients (defined by their center)

ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
    <head>
```

```
        <title>MyPage!</title>
```

```
        <style>
```

```
            body
```

```
            {
```

```
                height:100vh;
```

```
                background:linear-gradient(yellow,red);
```

```
        }
    </style>
</head>
<body>

</body>
</html>
```

ex:

```
<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
    <style>
      body
      {
        height:100vh;
        background:linear-gradient(to left,yellow,red);
      }
    </style>
  </head>
  <body>

  </body>
</html>
```

ex:

```
<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
    <style>
      body
      {
        height:100vh;
        background-image:conic-gradient(yellow,red);
      }
    </style>
  </head>
  <body>

  </body>
</html>
```

ex:

```
<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
    <style>
      body
      {
        height:100vh;
        background-image:radial-gradient(yellow,red);
      }
    </style>
  </head>
  <body>

  </body>
</html>
```

```
        </style>
    </head>
    <body>

    </body>
</html>
```

CSS flexbox

=====

It is a one-dimensional layout methods for laying out our items in rows and columns.

CSS flexbox is a better way to align items into a container.

Flexbox= flexible + box.

To create a flexbox model, we need to define a "flex container".

ex:

```
<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>
        <style>
            .container
            {
                width:100%;
                height:400px;
```

```

        border:2px solid black;
        display:flex;
        flex-direction:row;
    }
    .container .item
    {
        width:150px;
        height:150px;
        border:2px solid black;
    }

</style>
</head>
<body>

    <div class="container">
        <div class="item">Item1</div>
        <div class="item">Item2</div>
        <div class="item">Item3</div>
        <div class="item">Item4</div>
        <div class="item">Item5</div>
        <div class="item">Item6</div>
    </div>

</body>
</html>

```

ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>

  <title>MyPage!</title>

  <style>

    .container
    {
      width:100%;
      height:400px;
      border:2px solid black;
      display:flex;
      flex-direction:row-reverse;
    }

    .container .item
    {
      width:150px;
      height:150px;
      border:2px solid black;
    }

  </style>
</head>

<body>

  <div class="container">

    <div class="item">Item1</div>
    <div class="item">Item2</div>
    <div class="item">Item3</div>
    <div class="item">Item4</div>
    <div class="item">Item5</div>
    <div class="item">Item6</div>

  </div>
```



```
        </body>
</html>

ex:
----

<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
    <style>
      .container
      {
        width:100%;
        height:400px;
        border:2px solid black;
        display:flex;
        flex-direction:column;
      }
      .container .item
      {
        width:150px;
        height:150px;
        border:2px solid black;
      }
    </style>
  </head>
  <body>
    <div class="container">
```

```
        <div class="item">Item1</div>
        <div class="item">Item2</div>
        <div class="item">Item3</div>
        <div class="item">Item4</div>
        <div class="item">Item5</div>
        <div class="item">Item6</div>
    </div>
</body>
</html>
```

ex:

```
<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>
        <style>
            .container
            {
                width:100%;
                height:400px;
                border:2px solid black;
                display:flex;
                flex-direction:column-reverse;
            }
            .container .item
            {
                width:150px;
                height:150px;
```

```

        border:2px solid black;
    }

</style>
</head>
<body>
    <div class="container">
        <div class="item">Item1</div>
        <div class="item">Item2</div>
        <div class="item">Item3</div>
        <div class="item">Item4</div>
        <div class="item">Item5</div>
        <div class="item">Item6</div>
    </div>
</body>
</html>

```

ex:

```

<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>
        <style>
            .container
            {
                width:100%;
                height:400px;
                border:2px solid black;
            }
        </style>
    </head>
    <body>
        <div class="container">
            <div class="item">Item1</div>
            <div class="item">Item2</div>
            <div class="item">Item3</div>
            <div class="item">Item4</div>
            <div class="item">Item5</div>
            <div class="item">Item6</div>
        </div>
    </body>
</html>

```

```

        display:flex;
        flex-direction:row;
        flex-wrap:no-wrap;
    }
    .container .item
    {
        width:150px;
        height:150px;
        border:2px solid black;
    }

</style>
</head>
<body>
    <div class="container">
        <div class="item">Item1</div>
        <div class="item">Item2</div>
        <div class="item">Item3</div>
        <div class="item">Item4</div>
        <div class="item">Item5</div>
        <div class="item">Item6</div>
    </div>

</body>
</html>

```

ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>

  <title>MyPage!</title>

  <style>

    .container
    {
      width:100%;
      height:400px;
      border:2px solid black;
      display:flex;
      flex-direction:row;
      flex-wrap:wrap;
    }

    .container .item
    {
      width:150px;
      height:150px;
      border:2px solid black;
    }

  </style>

</head>

<body>

  <div class="container">

    <div class="item">Item1</div>
    <div class="item">Item2</div>
    <div class="item">Item3</div>
    <div class="item">Item4</div>
    <div class="item">Item5</div>
    <div class="item">Item6</div>
```

```
        </div>

    </body>
</html>

ex:
---
<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>
        <style>
            .container
            {
                width:100%;
                height:400px;
                border:2px solid black;
                display:flex;
                flex-flow:row wrap;
            }
            .container .item
            {
                width:150px;
                height:150px;
                border:2px solid black;
            }
        </style>
    </head>
    <body>
```

```
<div class="container">

    <div class="item">Item1</div>

    <div class="item">Item2</div>

    <div class="item">Item3</div>

    <div class="item">Item4</div>

    <div class="item">Item5</div>

    <div class="item">Item6</div>

</div>

</body>
</html>
```

ex:

```
<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
    <style>
      .container
      {
        width:100%;
        height:400px;
        border:2px solid black;
        display:flex;
        flex-flow:row wrap;
        justify-content:center;
      }
      .container .item
      {
```

```

        width:150px;
        height:150px;
        border:2px solid black;
    }

</style>
</head>
<body>
    <div class="container">
        <div class="item">Item1</div>
        <div class="item">Item2</div>
        <div class="item">Item3</div>
        <div class="item">Item4</div>
        <div class="item">Item5</div>
        <div class="item">Item6</div>
    </div>
</body>
</html>

```

ex:

```

<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>
        <style>
            .container
            {
                width:100%;

```



```

        height:400px;
        border:2px solid black;
        display:flex;
        flex-flow:row wrap;
        justify-content:center;
        align-items:center;
    }
    .container .item
    {
        width:150px;
        height:150px;
        border:2px solid black;
    }

</style>
</head>
<body>

    <div class="container">

        <div class="item">Item1</div>
        <div class="item">Item2</div>
        <div class="item">Item3</div>
        <div class="item">Item4</div>
        <div class="item">Item5</div>
        <div class="item">Item6</div>

    </div>

</body>
</html>

```

ex:

```
---
<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
    <style>
      .container
      {
        width:100%;
        height:400px;
        border:2px solid black;
        display:flex;
        flex-flow:row wrap;
        align-content:center;
      }
      .container .item
      {
        width:150px;
        height:150px;
        border:2px solid black;
      }
    </style>
  </head>
  <body>
    <div class="container">
      <div class="item">Item1</div>
      <div class="item">Item2</div>
      <div class="item">Item3</div>
```

```

        <div class="item">Item4</div>
        <div class="item">Item5</div>
        <div class="item">Item6</div>
    </div>
</body>
</html>

```

CSS Grid layout

=====

The CSS grid layout module offers a grid-based layout system with rows and columns.

Grid layout makes easier to design web pages without having a use of floats and positioning tag.

A grid layout consists of a parent element , with one or more child elements.

ex:

```

<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>
        <style>
            .container
            {
                width:100%;
                height:400px;
                border:2px solid black;

```

```

        display:grid;
    }
    .item1{background-color:#EE5A24;}
    .item2{background-color:#12CBC4;}
    .item3{background-color:#C4E538;}
    .item4{background-color:#B53471;}
    .item5{background-color:#0652DD;}
    .item6{background-color:#6F1E51;}

</style>
</head>
<body> <div class="container">
        <div class="item1">Item1</div>
        <div class="item2">Item2</div>
        <div class="item3">Item3</div>
        <div class="item4">Item4</div>
        <div class="item5">Item5</div>
        <div class="item6">Item6</div>
    </div>
</body>

</html>

```

ex:

```

<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>

```

```
<style>

    .container
    {
        width:100%;
        height:400px;
        border:2px solid black;
        display:grid;
        grid-template-rows:150px 150px;
        grid-template-columns:150px 150px 150px;
    }

    .item1{background-color:#EE5A24;}
    .item2{background-color:#12CBC4;}
    .item3{background-color:#C4E538;}
    .item4{background-color:#B53471;}
    .item5{background-color:#0652DD;}
    .item6{background-color:#6F1E51;}

</style>

</head>

<body>

    <div class="container">

        <div class="item1">Item1</div>
        <div class="item2">Item2</div>
        <div class="item3">Item3</div>
        <div class="item4">Item4</div>
        <div class="item5">Item5</div>
        <div class="item6">Item6</div>

    </div>

</body>
```

```
</html>
```

ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>MyPage!</title>
```

```
    <style>
```

```
      .container
```

```
      {
```

```
        width:100%;
```

```
        height:400px;
```

```
        border:2px solid black;
```

```
        display:grid;
```

```
        grid-template-rows:150px 150px;
```

```
        grid-template-columns:150px 150px 1fr;
```

```
      }
```

```
      .item1{background-color:#EE5A24;}
```

```
      .item2{background-color:#12CBC4;}
```

```
      .item3{background-color:#C4E538;}
```

```
      .item4{background-color:#B53471;}
```

```
      .item5{background-color:#0652DD;}
```

```
      .item6{background-color:#6F1E51;}
```

```
    </style>
```

```
  </head>
```

```
  <body>
```

```
    <div class="container">
```

```
        <div class="item1">Item1</div>
        <div class="item2">Item2</div>
        <div class="item3">Item3</div>
        <div class="item4">Item4</div>
        <div class="item5">Item5</div>
        <div class="item6">Item6</div>
    </div>
</body>
</html>
```

ex:

```
<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>
        <style>
            .container
            {
                width:100%;
                height:400px;
                border:2px solid black;
                display:grid;
                grid-template-rows:repeat(2,150px);
                grid-template-columns:repeat(3,1fr);
            }
            .item1{background-color:#EE5A24;}
            .item2{background-color:#12CBC4;}
            .item3{background-color:#C4E538;}
```

```

        .item4{background-color:#B53471;}
        .item5{background-color:#0652DD;}
        .item6{background-color:#6F1E51;}

    </style>
</head>
<body>

    <div class="container">

        <div class="item1">Item1</div>

        <div class="item2">Item2</div>

        <div class="item3">Item3</div>

        <div class="item4">Item4</div>

        <div class="item5">Item5</div>

        <div class="item6">Item6</div>

    </div>

</body>
</html>

```

ex:

```

<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>
        <style>
            .container
            {
                width:100%;
                height:400px;

```



```

        border:2px solid black;
        display:grid;
        grid-template-rows:repeat(2,150px);
        grid-template-columns:repeat(3,1fr);
        grid-row-gap:10px;
        grid-column-gap:10px;
    }
    .item1{background-color:#EE5A24;}
    .item2{background-color:#12CBC4;}
    .item3{background-color:#C4E538;}
    .item4{background-color:#B53471;}
    .item5{background-color:#0652DD;}
    .item6{background-color:#6F1E51;}

</style>
</head>
<body>

    <div class="container">

        <div class="item1">Item1</div>
        <div class="item2">Item2</div>
        <div class="item3">Item3</div>
        <div class="item4">Item4</div>
        <div class="item5">Item5</div>
        <div class="item6">Item6</div>

    </div>

</body>
</html>

```

ex:

```
---

<!DOCTYPE html>

<html>

  <head>

    <title>MyPage!</title>

    <style>

      .container

      {

        width:100%;

        height:400px;

        border:2px solid black;

        display:grid;

        grid-template-rows:repeat(2,150px);

        grid-template-columns:repeat(3,1fr);

        grid-gap:20px;

      }

      .item1{background-color:#EE5A24;}

      .item2{background-color:#12CBC4;}

      .item3{background-color:#C4E538;}

      .item4{background-color:#B53471;}

      .item5{background-color:#0652DD;}

      .item6{background-color:#6F1E51;}

    </style>

  </head>

  <body>

    <div class="container">

      <div class="item1">Item1</div>

      <div class="item2">Item2</div>
```

```

        <div class="item3">Item3</div>
        <div class="item4">Item4</div>
        <div class="item5">Item5</div>
        <div class="item6">Item6</div>
    </div>

</body>
</html>

```

CSS Google Fonts

=====

If we do not want to use any of the standard fonts in HTML, you can use Google Fonts.

Google Fonts are free to use, and have more than 1000 fonts to choose.

To use any google fonts we need to use below url.

ex:

<https://fonts.google.com/>

ex:1

```
<!DOCTYPE html>
```

```
<html>
```

```
    <head>
```

```
        <title>MyPage!</title>
```

```

        <style>

```

```
            @import url('https://fonts.googleapis.com/css2?family=Ultra&display=swap');
```

```
            h1
```

```
            {
```

```

        font-family: 'Ultra', serif;
    }
</style>
</head>
<body>
    <h1>This is Heading Tag</h1>
</body>
</html>

```

ex:2

```

<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>
        <link href="https://fonts.googleapis.com/css2?family=Ultra&display=swap"
rel="stylesheet">
        <style>
            h1
            {
                font-family: 'Ultra', serif;
            }
        </style>
    </head>
    <body>
        <h1>This is Heading Tag</h1>
    </body>
</html>

```

FontAwesome Icons

=====

If we want to take icons in a CSS then we need to use fontawesome icons.

All fontawesome icons are font based.

To work with fontawesome icons we need to add below CDN link.

ex:

```
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
```

ex:1

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>MyPage!</title>
```

```
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
```

```
  </head>
```

```
  <body>
```

```
    <i class="fa fa-heart"></i>
```

```
    <i class="fa fa-home"></i>
```

```
    <i class="fa fa-phone"></i>
```

```
  </body>
```

```
</html>
```

ex:2

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>MyPage!</title>
```

```
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-  
awesome/4.7.0/css/font-awesome.min.css">
```

```
  </head>
```

```
  <body>
```

```
    <i class="fa fa-heart" style="font-size:30px;color:red;"></i>
```

```
    <i class="fa fa-home" style="font-size:30px;color:blue;"></i>
```

```
    <i class="fa fa-phone" style="font-size:30px;color:green;"></i>
```

```
  </body>
```

```
</html>
```

ex:3

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>MyPage!</title>
```

```
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-  
awesome/4.7.0/css/font-awesome.min.css">
```

```
  </head>
```

```
  <body>
```

```
<i class="fa fa-facebook" style="color:blue;"></i>
```

```
<i class="fa fa-instagram" style="color:pink;"></i>
```

```
<i class="fa fa-twitter" style="color:lightblue;"></i>
```

```
<i class="fa fa-youtube" style="color:Red;"></i>
```

```
<i class="fa fa-linkedin" style="color:blue;"></i>
```

```
</body>
```

```
</html>
```

CSS Cursor property

=====

ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>MyPage!</title>
```

```
    <style>
```

```
      h1
```

```
      {
```

```
        text-align:center;
```

```
      }
```

```
      h1:hover
```

```
      {
```

```

        cursor:pointer;
    }
</style>
</head>
<body>

    <h1>Mouse Over Here </h1>

</body>
</html>

```

ex:

```

<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>
        <style>
            h1
            {
                text-align:center;
            }
            h1:hover
            {
                cursor:zoom-in;
            }
        </style>
    </head>
    <body>

        <h1>Mouse Over Here </h1>

    </body>

```



```
</html>
```

ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>MyPage!</title>
```

```
    <style>
```

```
      h1
```

```
      {
```

```
        text-align:center;
```

```
      }
```

```
      h1:hover
```

```
      {
```

```
        cursor:zoom-out;
```

```
      }
```

```
    </style>
```

```
  </head>
```

```
  <body>
```

```
    <h1>Mouse Over Here </h1>
```

```
  </body>
```

```
</html>
```

ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```

        <title>MyPage!</title>
        <style>
            h1
            {
                text-align:center;
            }
            h1:hover
            {
                cursor:progress;
            }
        </style>
    </head>
    <body>
        <h1>Mouse Over Here </h1>
    </body>
</html>

```

ex:

```

<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>
        <style>
            h1
            {
                text-align:center;
            }
            h1:hover

```

```

        {
            cursor:copy;
        }
    </style>
</head>
<body>
    <h1>Mouse Over Here </h1>
</body>
</html>

```

CSS Form

=====

Form is used to accept the values from the enduser.

It will send the data to server or database for processing.

ex:

Task3

```

|
|-----css
|
|       |
|       |---mystyles.css
|-----images
|
|       |
|       |---micky.png
|       |---bg.jpg
|
|-----index.html

```

index.html

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title></title>
```

```
    <!-- add external css -->
```

```
    <link rel="stylesheet" href="css/mystyles.css">
```

```
  </head>
```

```
  <body>
```

```
    <div class="container">
```

```
      <div class="box1">
```

```
        <h3> Login Here </h3>
```

```
        
```

```
        <form action="">
```

```
          <input type="text" name="t1" placeholder="username"
autocomplete="off" required/> <br>
```

```
          <input type="password" name="t2" placeholder="password"
autocomplete="off" required/> <br>
```

```
          <input type="submit" value="Login"/>
```

```
        </form>
```

```
      </div>
```

```
      <div class="box2">
```

```
        
```

```
      </div>
```

```
    </div>
```

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

mystyles.css

```
-----
*
{
    margin:0;
    padding:0;
}
body
{
    background-color:#FFF;
    background-image:url("../images/bg.jpg");
    background-repeat:no-repeat;
    background-size:cover;
    background-position:center 0px;
    background-attachment:fixed;
    display:flex;
    justify-content:center;
    align-items:center;
    height:100vh;
}
.container
{
    /*background-color:#FFF;*/
    height:400px;
```

```

        width:800px;

        box-sizing:border-box;

        box-shadow:2px 2px 17px 6px #FFF;
    }
.container .box1
{
    width:400px;
    height:400px;
    /*background-color:yellow;*/
    float:left;
    box-sizing:border-box;
}
.container .box1 h3
{
    text-align:center;
    padding:10px;
    font-size:30px;
    color:#FFF;
}
.container .box1 img
{
    width:100px;
    height:100px;
    display:block;
    margin: 10px auto;
    border-radius:50px;
}
.container .box1 input[type="text"],input[type="password"]
{

```

```

        width:300px;
        height:35px;
        display:block;
        margin:10px auto;
        border-radius:15px;
        border:2px solid #FFF;
        background-color:transparent !important;
    }
.container .box1 input[placeholder]
{
    text-align:center;
    font-size:27px;
    color:#FFF;
}
.container .box1 input[type="submit"]
{
    width:100px;
    padding:5px;.container
    display:block;
    margin:0px auto;
    font-size:18px;
}

.container .box2
{
    width:400px;
    height:400px;
    /*background-color:cyan;*/

```

```

float:left;

box-sizing:border-box;
}
.container .box2 img
{
    width:90%;
    height:90%;
    padding:10px;
}

```

CSS Google Fonts

=====

If we do not want to use any of the standard fonts in HTML, you can use Google Fonts.

Google Fonts are free to use, and have more than 1000 fonts to choose.

To use any google fonts we need to use below url.

ex:

<https://fonts.google.com/>

ex:1

```
<!DOCTYPE html>
```

```
<html>
```

```
    <head>
```

```
        <title>MyPage!</title>
```

```

        <style>

```

```
            @import url('https://fonts.googleapis.com/css2?family=Ultra&display=swap');
```



```

        h1
        {
            font-family: 'Ultra', serif;
        }
    </style>
</head>
<body>
    <h1>This is Heading Tag</h1>
</body>
</html>

```

ex:2

```

<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>
        <link href="https://fonts.googleapis.com/css2?family=Ultra&display=swap"
rel="stylesheet">
        <style>

            h1
            {
                font-family: 'Ultra', serif;
            }
        </style>
    </head>
    <body>
        <h1>This is Heading Tag</h1>
    </body>
</html>

```

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

FontAwesome Icons

=====

If we want to take icons in a CSS then we need to use fontawesome icons.

All fontawesome icons are font based.

To work with fontawesome icons we need to add below CDN link.

ex:

```
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
```

ex:1

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>MyPage!</title>
```

```
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
```

```
  </head>
```

```
  <body>
```

```
    <i class="fa fa-heart"></i>
```

```
    <i class="fa fa-home"></i>
```

```
        <i class="fa fa-phone"></i>

    </body>

</html>
```

ex:2

```
<!DOCTYPE html>

<html>

    <head>

        <title>MyPage!</title>

        <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">

    </head>

    <body>

        <i class="fa fa-heart" style="font-size:30px;color:red;"></i>

        <i class="fa fa-home" style="font-size:30px;color:blue;"></i>

        <i class="fa fa-phone" style="font-size:30px;color:green;"></i>

    </body>

</html>
```

ex:3

```
<!DOCTYPE html>

<html>

    <head>

        <title>MyPage!</title>

        <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">
```

```

</head>
<body>
    <i class="fa fa-facebook" style="color:blue;"></i>

    <i class="fa fa-instagram" style="color:pink;"></i>

    <i class="fa fa-twitter" style="color:lightblue;"></i>

    <i class="fa fa-youtube" style="color:Red;"></i>

    <i class="fa fa-linkedin" style="color:blue;"></i>
</body>
</html>

```

CSS Cursor property

=====

ex:

```

<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>
        <style>
            h1
            {
                text-align:center;
            }

```

```

        h1:hover
        {
            cursor:pointer;
        }
    </style>
</head>
<body>

        <h1>Mouse Over Here </h1>

</body>
</html>

```

ex:

```

<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>
        <style>
            h1
            {
                text-align:center;
            }
            h1:hover
            {
                cursor:zoom-in;
            }
        </style>
    </head>
    <body>

```

```
                <h1>Mouse Over Here </h1>

            </body>
</html>
```

ex:

```
<!DOCTYPE html>
<html>
    <head>
        <title>MyPage!</title>
        <style>
            h1
            {
                text-align:center;
            }
            h1:hover
            {
                cursor:zoom-out;
            }
        </style>
    </head>
    <body>
        <h1>Mouse Over Here </h1>

    </body>
</html>
```

ex:

```
<!DOCTYPE html>
```

```

<html>
  <head>
    <title>MyPage!</title>
    <style>
      h1
      {
        text-align:center;
      }
      h1:hover
      {
        cursor:progress;
      }
    </style>
  </head>
  <body>
    <h1>Mouse Over Here </h1>
  </body>
</html>

```

ex:

```

<!DOCTYPE html>
<html>
  <head>
    <title>MyPage!</title>
    <style>
      h1
      {
        text-align:center;

```

```

        }
        h1:hover
        {
            cursor:copy;
        }
    </style>
</head>
<body>

        <h1>Mouse Over Here </h1>

</body>
</html>

```

CSS Form

=====

Form is used to accept the values from the enduser.

It will send the data to server or database for processing.

ex:

Task3

```

|
|-----css
|
|      |
|      |---mystyles.css
|-----images
|
|      |
|      |---micky.png
|      |---bg.jpg

```


|
|-----index.html

index.html

<!DOCTYPE html>

<html>

 <head>

 <title></title>

 <!-- add external css -->

 <link rel="stylesheet" href="css/mystyles.css">

 </head>

 <body>

 <div class="container">

 <div class="box1">

 <h3> Login Here </h3>

 <form action="">

 <input type="text" name="t1" placeholder="username"
autocomplete="off" required/>

 <input type="password" name="t2" placeholder="password"
autocomplete="off" required/>

 <input type="submit" value="LogIn"/>

 </form>

 </div>

 <div class="box2">


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

mystyles.css

```
-----
*
{
    margin:0;
    padding:0;
}
body
{
    background-color:#FFF;
    background-image:url("../images/bg.jpg");
    background-repeat:no-repeat;
    background-size:cover;
    background-position:center 0px;
    background-attachment:fixed;
    display:flex;
    justify-content:center;
    align-items:center;
    height:100vh;
}
.container
{
```

```
        /*background-color:#FFF;*/  
        height:400px;  
        width:800px;  
        box-sizing:border-box;  
        box-shadow:2px 2px 17px 6px #FFF;  
    }  
    .container .box1  
    {  
        width:400px;  
        height:400px;  
        /*background-color:yellow;*/  
        float:left;  
        box-sizing:border-box;  
    }  
    .container .box1 h3  
    {  
        text-align:center;  
        padding:10px;  
        font-size:30px;  
        color:#FFF;  
    }  
    .container .box1 img  
    {  
        width:100px;  
        height:100px;  
        display:block;  
        margin: 10px auto;  
        border-radius:50px;  
    }
```

```
.container .box1 input[type="text"],input[type="password"]
```

```
{
```

```
    width:300px;
```

```
    height:35px;
```

```
    display:block;
```

```
    margin:10px auto;
```

```
    border-radius:15px;
```

```
    border:2px solid #FFF;
```

```
    background-color:transparent !important;
```

```
}
```

```
.container .box1 input[placeholder]
```

```
{
```

```
    text-align:center;
```

```
    font-size:27px;
```

```
    color:#FFF;
```

```
}
```

```
.container .box1 input[type="submit"]
```

```
{
```

```
    width:100px;
```

```
    padding:5px;.container
```

```
    display:block;
```

```
    margin:0px auto;
```

```
    font-size:18px;
```

```
}
```

```
.container .box2
```

```
{
```

```
    width:400px;
```

```
        height:400px;

        /*background-color:cyan;*/

        float:left;

        box-sizing:border-box;
    }

.container .box2 img
{
    width:90%;
    height:90%;
    padding:10px;
}
```