CREATING BOXES

- ➢ **Box dimensions**

- ➢ **Padding properties**

- ➢ **Border properties**

- ➢ **Margin properties**

- ➢ **Width and height properties**

- ➢ **Floating boxes**

- ➢ **Overflowing of box content**

- ➢ **The Marquee properties**
- ➢ **Rotating boxes**

Box Dimensions

✓ Content edge

✓ Padding edge

✓ Border edge

✓ Margin edge

Padding properties

✓ Padding -top

✓ Padding-bottom

✓ Padding-right

✓ Padding-left

Padding values

✓ Length

✓ Percentage

✓ Auto

Border properties

✓ border-width

✓ border-color

✓ border-shorthand

✓ border-radius

✓ border-image

Property	Description
border-bottom-left-radius	Specifies the shape of the border of the bottom left corner
border-bottom-right-radius	Specifies the shape of the border of the bottom right corner
Border-image	specifies a shorthand property for setting all the border-image properties
Border-image-outset	Specifies the amount by which the border image area extends beyond the border box
Border-image-repeat	Specifies whether the image-border should be repeated,rounded,or stretched
Border-image-slice	Specifies the inward offsets of the image-border
Border-image-source	Specifies an image to be used as a border
Border-image-width	Specifies the widths of the image-border
Border-radius	Specifies a shorthand property for setting all the border radius related properties
Border-top-left-radius	Specifies the shape of the border of the top-left corner
Border-top-right-radius	Specifies the shape of the border of the top-right corner
Box-shadow	Attaches one or more drop-shadows to the box

The border-width property

The border width property specifies the width of the border area.The width specified in pixels.

Syntax

border-width:value

The border can have either of the following ways

- ❖ **Thin:**Defines a thin border

- ❖ **Medium:**Defines a medium border

- ❖ **Thick:**Defines a thick border

- ❖ **length:**Defines the thickness of the border

- ❖ **Inherit:**Defines that the width is inherited from the parent element

The border-color property

❖ **Name**:defines the name of the color,such as red and blue

❖ **Syntax:**

border-color:value;

Possible values of border-color property

❖ **Inherit:**specifies that the border-color property is inherited from the parent element

❖ **Transparent:**defines the border color should b e transparent

❖ **Color:**sets the border color to the specified color value

BORDER-STYLE PROPERTY

It indicates the format of the border such as solid,dashed,or double.

Syntax: border-style: value;

none	Shows no border as the computed border width is zero.
Hidden	Specifies the hidden border.
Dotted	Specifies the border with dots
Dashed	Specifies a border with shortline segments
Solid	Specifies a border with single line segment.
Double	Specifies a border with two solid lines
inset	specifies a border that makes a box
outset	Specifies a border that makes a box as it is coming out from canvas.

Border radius property

➢ **border-top-right-radius:** specifies a round corner in the top left direction of a border

➢ **border-top-left-radius:** specifies a round corner in the top right direction of a border

➢ **border-bottom-left-radius:** specifies a round corner in the bottom left direction of a border

➢ **border-bottom-right-radius:** specifies a round corner in the bottom right direction of a border

Border -image property

➢ **Border-image-source**

➢ **border-image-slice**

➢ **Border-image-width**

➢ **Border-image-outset**

➢ **Border-image-repeat**

Margin

✓ margin-top

✓ margin-bottom

✓ margin-right

✓ margin -left

Syntax:

```
p
{
    margin:value
}
```

Values of margin property are

1. Auto

2. Length

3. %

4. Inherit

Exploring Width And Height Properties

1. **Width/height properties:** set the width and height of the content area,padding area,or border area of the box.

SYNTAX: <length> | <percentage> |auto

Length specifies the width of the content area.

Percentage specifies the width of the content area in percentage.

EX: p{width:100px:height:50px;}

2. **MIN-WIDTH,MAX-WIDTH,MIN HEIGHT,MAX-HEIGHT PROPERTIES:**

Used to set the minimum width and height, maximun width and height of a block level element respectively.

SYNTAX: <length> | <percentage> | inherit/none

Inherit for minimum width and height.

None for maximum width and height.

Ex:

p{min-width:10px:min-height:10px;

max-height:100px;max-height:100px;

}

FLOATING BOXES:

A floating box is a box that can display the content of an element in left ir right direction with respect to the content of the another element.

SYNTAX: float: left | right | none |<page-floats>

Ex: img{ float:left;   }

OVERFLOWING OF BOX CONTENT:

PROPERTIES:

property	Description
Overflow-x	Specifies clipping at the left and right edges.
Overflow-y	Specifies clipping at the top and bottom edges.
Overflow-style	Specifies t=a scrolling method for elements that overflow.

SYNTAX: Overflow-x and Overflow-y properties

Overflow-x/overflow-y: visisble | hidden | scroll | auto | no-display | no-content;

SYNTAX: Overflow-style property

Overflow-style: auto | [scrollbar | panner | move | marque] [, [scrollbar | panner | move | marquee]]*;

EXLORING MORQUEE PROPERTIES:

Marquee-style:use to set astyle to move the content of an element.

SYNTAX:

Marquee-style: scroll | slide | alternate**;**

VALUES IN SYNTAX:

Marquee-loop:Determines,how   the content moves.

SYNTAX:

marquee-loop: <non-negative-integer> | infinite;

Marquee-direction:set the direction on which the content will move.

Syntax:marquee-direction: forward | reverse;

Marquee shorthand:set the shorthand to specify the marquee-style,marquee-loop,marquee-direction,marquee-speed properties.

ROTATONG BOXES:

Rotating property:

Syntax: rotation: <angle>;

Angle specifies the number of degrees upto which the element needs rotate.

Syntax: rotation-point: <bg-position>;

Bg-position specifies the values that defines a point as an offset from the top left border edge,

EX:

h1

{

rotation:45deg;

rotation-point: bottom left;

}

programs

Float

```
<!DOCTYPE html>
<html>
<head>
<style>
.floating-box {
  float:left;
  width:150px;
  height:75px;
  margin:10px;
  border-width:3px;
  border-style:solid;
  border-color:red;
}
p.float{
  float:right;
  width:500px;
  height:500px;
```

```
    }
    p.sai{
        float:none;
        width:50px;
        height:50px;
        margin:10px;
    }
    </style>
    </head>
    <body>
    <h2>Floating boxes</h2>
    <p        class="floating-box">Floating
    box</p>
    <p   class="float"><img    src="s1.jpg"
    width=200 height=100></img></p>
    <p   class="sai">this   is   floating   box
    code</p>
    <p        class="floating-box">Floating
    box</p>
    </body>
    </html>
```

```
<!DOCTYPE HTML>

<html>

<head>

<style type="text/css">

p

{

    min-width:10px;

    min-height:10px;

    max-width:50em;

    max-height:50em;

}

#padding
```

```
{
    padding-top:50px;
    padding-bottom:50px;
    padding-left:5cm;
    padding-right:10px;
    border-width:2cm;
    border-bottom-left-radius:2cm;
    border-bottom-right-radius:2cm;
    border-top-left-radius:2cm;
    border-top-right-radius:2cm;
    border-color:green;
    border-style:solid;
}
p.margin
{
    margin-top:5cm;
    margin-right:15cm;
    background-color:red;
}
</style>
```
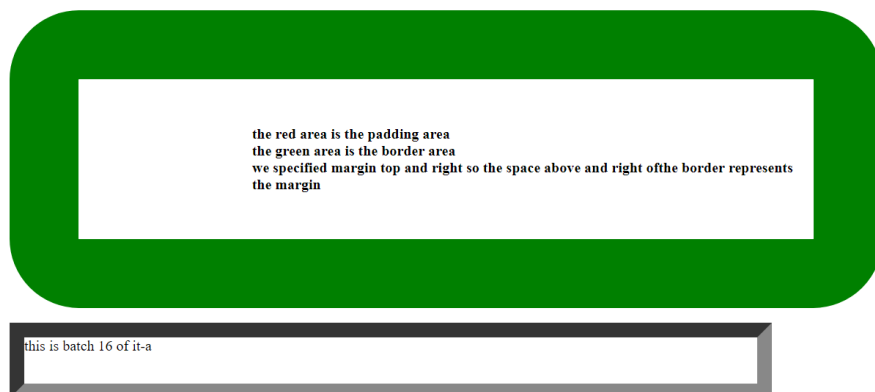
</head>

<body>

<p class="margin"id="padding">the red area is the padding area
the green area is the border area
we

  specified margin top and right so the space above and right of the border represents the margin</p>

</body>

</html>

```
<!DOCTYPE html>
<html>
<head>
<style>
#my{
  float:left;
  transform: rotate(20deg);
  width:150px;
  height:100px;
  margin:10px;
  border-width:3px;
  border-style:solid;
  border-color:red;
}
.rotating-box{
  width:150px;
  height:100px;
  margin:10px;
  border-width:3px;
  border-style:solid;
```

```
  border-color:red;
}
p.rotate{
  float:none;
  transform:rotate(45deg);
  width:400px;
  height:300px;
}
p.sai{
  transform: rotate(90deg);
  transform:rotate-point(bottom rght);
  width:100px;
  height:50px;
}
</style>
</head>
<body>
<h2>rotating boxes</h2>
<div class="rotating-box">this is normal box</div>
```
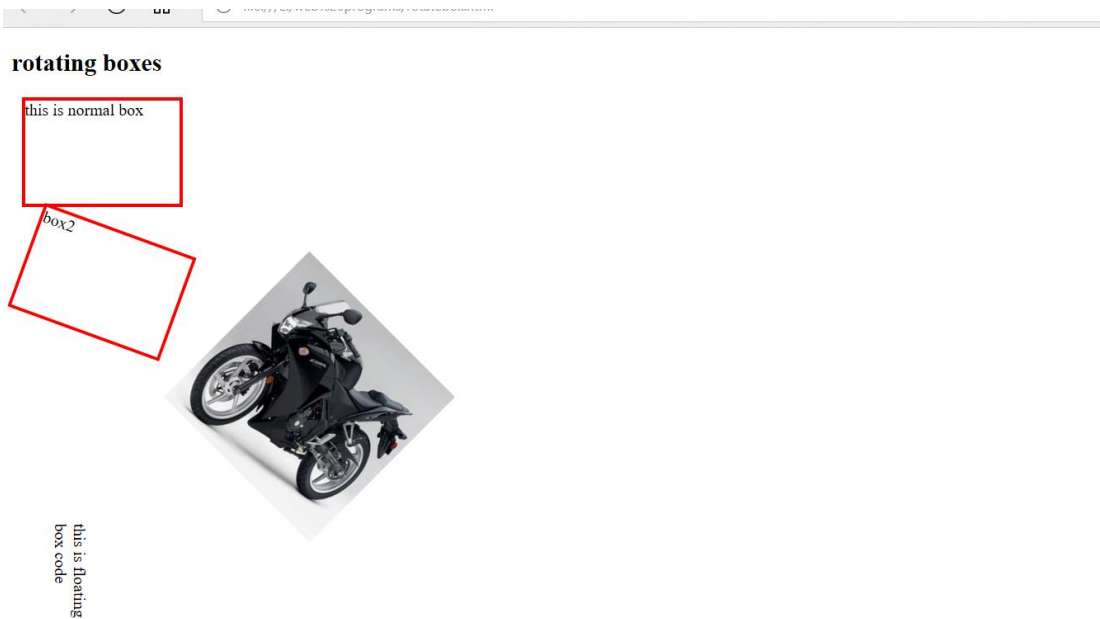
```
<p id="my">box2</p>
<p class="rotate"><img src="s1.jpg" width=200 height=200></img></p>
<p class="sai">this is floating box code</p>


</body>
</html>
```

rotating boxes

this is normal box

box2

this is floating
box code

<!DOCTYPE HTML>

<html>

<body>

<marquee style="scroll" direction="left" loop="infinite" height="5%" width="30%" hspace="10%" vspace="10%">hi,this is batch 16 fom it-a</marquee>

<marquee style="alternate" direction="right" loop="infinite" height="5%" width="30%" hspace="10%" vspace="10%" bgcolor="cyan">hi,this is saikumar</marquee>

```
<marquee style="slide" direction="top"
loop="infinite" height="5%"
width="30%" hspace="10%"
vspace="10%"><img
src="s1.jpg"></img></marquee>
</body>
</html>
```


hi,this is batch 16 fom it-a   hi,this is saikumar