CSS part 2

Border 邊界

- Try to create using just divs three squares 100 pixels wide and 100 pixels high and make them red blue and green

```
#square-red {

    background-color:red;
    width:100px;
    height:100px;

}

#square-blue {

    background-color:blue;
    width:100px;
    height:100px;

}

#square-green {

    background-color:green;
    width:100px;
    height:100px;

}
```

It is hard to change the size of square
- Add a class of Square

```
.square {

    width:100px;
    height:100px;

}
```

- Add some margin and float

```
margin:40px;
float:left;
```

- Lets add a border   `border: 1px black solid;`
    - "border style"
    - different border for each edge

```
border-style: ridge solid dotted dashed;
```

Border 邊界

- Try it yourself
  - how about add colors to each edge differently?

  `border-color: green beige pink palegoldenrod;`

  With different border width and for a specific edge

  `border-width: 10px 5px 2px 1px;`

  border-left
  border-left-color
  border-left-style
  border-left-width
  border-top-left-radius
  border-bottom-left-radius
  border-style
  border-top-style

- border radius (邊界半徑)

  `border-radius:20px;`

- try to make the box become a circle
  1. half of the element size

     `border-radius:50px;`

  2. use the percentage

     `border-radius:50%;`

Practice

- Style the box div to have a border of 5px (you can choose any border style and colour) and set the circle div to a circle using percentage.

```
<!doctype html>
<html>
    <head>
    <title>Borders</title>
    <style type="text/css">
        #box {
        }
        #circle {
        }
    </style>
    </head>
  <body>
        <div id="box">Box</div>
        <div id="circle">Circle</div>
  </body>
</html>
```

```css
#box {
    border:5px solid black;
}
#circle {
    border-radius:50%;
}
```

Styling text -- Font

- font or typeface   `font-family:fantasy;`

- "Web safe font"
  - supported by most browser `font-family:Arial;`

  - fallback capability `"Times New Roman", Times, serif`

  - free for use "google font"

```
<link href="https://fonts.googleapis.com/css?family=Shadows+Into+Light"
rel="stylesheet">
```

Specify in CSS

Use the following CSS rules to specify these families:

```
font-family: 'Shadows Into Light', cursive;
```

Font Style using CSS

- We did see how to do font style in the HTML section
- it's best generally to keep styles separate from content.
  - So rather than using strong to have some bold text we're better off putting that information in our stylesheet
  - so that we can apply it to multiple styles and update it and manage our website much more easily.

- for example

```
font-weight:
                    700
                    800
```

```
font-weight: bold;
```

```
font-style:italic;
```

- How to make a paragraph with italic text also bold?

```
<p class="italic">This is some italic text! And this is bold and italic.
```

```
<span class="bold">
```

```
font-size: 200%;
```

Font Style using CSS

- How about underlined?   `text-decoration: underline;`

- How about   `text-decoration: none;`

  - make link not underlined

    ```
    a {
          text-decoration:none;
    }
    ```

  - Tip: make the underline show again when mouse hover over it

    ```
    a:hover {
          text-decoration:underline;
    }
    ```

    ```
    text-decoration:underline;
    color:green;
    ```

    google "CSS style text" for more

Aligning Text

- So this essentially means having it on the left of the page the right of the page in the middle or justify, it's spread out to fill the whole page.

- Aligning is within the element   `text-align:right;`

  ```
  div {
      width:300px;
      background-color:green;
  }
  ```

  - lets add a div

  ```
  .centered {
      text-align: center;
  }
  ```

  - a paragraph that is center

  - Justified   `text-align: justify;`

    - how to test the result of text alignment? "Loren Ipsum"

Styling Link

- make sure the link is the absolute link not relative one

- how to open link in a new tab?

```html
<a href="http://www.google.com" target="_blank">Google in a new tab</a>
```

- Pseudo classes
  - visited

```css
a:visited {
    color:green;
}
```

```css
/* unvisited link */
a:link {
    color: #FF0000;
}

/* visited link */
a:visited {
    color: #00FF00;
}
```

```css
/* mouse over link */
a:hover {
    color: #FF00FF;
}

/* selected link */
a:active {
    color: #0000FF;
}
```

Let build a web page

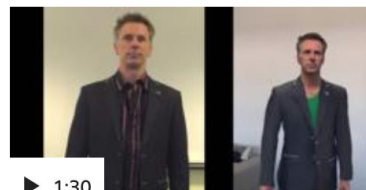- www.bbc.co.uk/news/technology