

SUB: Design Pattern And Framework

TOPIC: CSS

Class Selector

- The .class selector selects elements with a specific class attribute.
- To select elements with a specific class, write a period (.) character, followed by the name of the class.
- You can also specify that only specific HTML elements should be affected by a class.
- *.class {
css declarations;
}*
- Style all <p> elements with class="hometown":
- *p.hometown {
background-color: yellow;
}*

Class Selector

- Syntax: tag.className

A style class is given a name className, which is attached to a tag name

Effect: to enable different occurrences of the same tag to use different style specifications

Example

```
p.para1 {color:red;}
```

```
p.para2 {color:blue;}
```

```
.para {color:red;}
```

All elements with classes para are selected

Class Selector (CSS- file)

```
body {background-color: Yellow}
```

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

```
h1, h3 {color: blue}
```

```
ol ol li {color: Red;}
```

```
ol ol {color: Aqua; font-size: x-large; background-  
color: Black}
```

```
p.para1 {color:Red;}
```

```
p.para2 {color:blue;}
```

```
.para{color: Red;}
```

Class Selector

(html - file)

```
<html>

<head>
<title>HTML Test</title>
  <link rel = "stylesheet"
    type = "text/css"
    href = "master.css" />

</head>
<body>
<p> Welcome to DDU!!.</p>
<p>I am Here!!.</p>
<h1>Yellow </h1>
<ol>
  <ol>
```

```
    <li> Hii</li>
  </ol>
  <ol>Bye </ol>
</ol>
</ol>
</ol>
<p>
  <p class="para1"> Paragraph </p>
  <p class="para2"> Paragraph2 </p>

</P>
<p class="para"> Hello Again</P>
</body>
</html>
```

Class Selector (output)



Id Selector

- id Selectors

Purpose: enable the application of a style to one specific element with that id

Syntax:

```
#specific-id {property-value list}
```

Example:

```
<h2 id = "section2">1.2 CSS</h2>  
#section2 {font-size: 20}
```

Id Selector (CSS- file)

```
body {background-color: Yellow}  
p {font-size: x-large;background-color : lime}  
h1, h3 {color: blue}  
ol ol li {color: Red;}  
ol ol {color: Aqua; font-size: x-large; background-  
color: Black}  
p.para1 {color:red;}  
p.para2 {color:blue;}  
.para{color: Red;}  
#section2 { background-color: White; font-size: 22}
```


Id Selector (html-file)

-
- <html>
- <head>
- <title>HTML Test</title>
- <link rel = "stylesheet"
- type = "text/css"
- href = "master.css" />
-
- </head>
- <body>
- <p> Welcome to DDU!!.</p>
- <p>I am Here!!.</p>
- <h1>Yellow </h1>
-
-
- Hii
-
- Bye
-
-
-
- <p>
- <p class="para1"> Paragraph </p>
- <p class="para2"> Paragraph2 </p>
-
-
- </P>
- <p id="section2"> Hello Again</p>
- </body>
- </html>

Id Selector (output file)

Yellow

1. Hii

Bye

Paragraph

Paragraph2

Hello Again

Generic Selector

- Purpose: To apply a style to more than one kind of tag
- Note: A generic class must be named in tags, and the name must begin with a period in the selector
- Example
`.really-big { ... } /* all elements with class as really-big */`

```
<h1 class = "really-big"> ... </h1>
```

```
...
```

```
<p class = "really-big"> ... </p>
```

The style will be applied to the selected h1 and p classes

Generic Selector (CSS- file)

```
body {background-color: Yellow}
p {font-size: x-large;background-color : lime}
h1, h3 {color: blue}
ol ol li {color: Red;}
ol ol {color: Aqua; font-size: x-large; background-color:
    Black}
p.para1 {color:red;}
p.para2 {color:blue;}
.para{color: Red;}
#section2 { background-color: White; font-size: 22}
.MyStyle {color : White; font-size: 40;}
```

Generic Selector (html- file)

-
- <html>
-
- <head>
- <title>HTML Test</title>
- <link rel = "stylesheet"
- type = "text/css"
- href = "master.css" />
-
- </head>
- <body>
- <p> Welcome to DDU!!.</p>
- <p>I am Here!!.</p>
- <h1>Yellow </h1>
-
-
-
- <li class="MyStyle"> Hii
-
- Bye
-
-
-
- <p>
- <p class="para1"> Paragraph </p>
- <p class="para2"> Paragraph2 </p>
-
-
- </P>
- <p class="MyStyle"> Hello Again</p>
- </body>
- </html>

Generic Selector (output- file)



Pseudo Selector

- Selecting link elements based on their state
- Selecting part of an element

Syntax: Names begin with colons

Example:

a:link	{color:red}
a:visited	{color:yellow}
a:focus	{color:olive}
a:hover	{color:green}
a:active	{color:blue}

Pseudo Selector (CSS - File)

```
body {background-color: Yellow}
p {font-size: x-large;background-color : lime}
h1, h3 {color: blue}
p.para1 {color:red;}
p.para2 {color:blue;}
.para{color: Red;}
#section2 { background-color: White; font-size: 22}
.MyStyle {color : White; font-size: 40;}
p:hover    {color:green; background-color: White}
```


Pseudo Selector

(html - File)

```
<html>
```

```
<head>
```

```
<title>HTML Test</title>
```

```
<link rel = "stylesheet"
```

```
type = "text/css"
```

```
href = "master.css" />
```

```
</head>
```

```
<body>
```

```
<p> Welcome to DDU!!.</p>
```

```
<p>I am Here!!.</p>
```

```
<h1>Yellow </h1>
```

```
<p>
```

```
<p class="para1"> Paragraph
```

```
</p>
```

```
<p class="para2"> Paragraph2
```

```
</p>
```

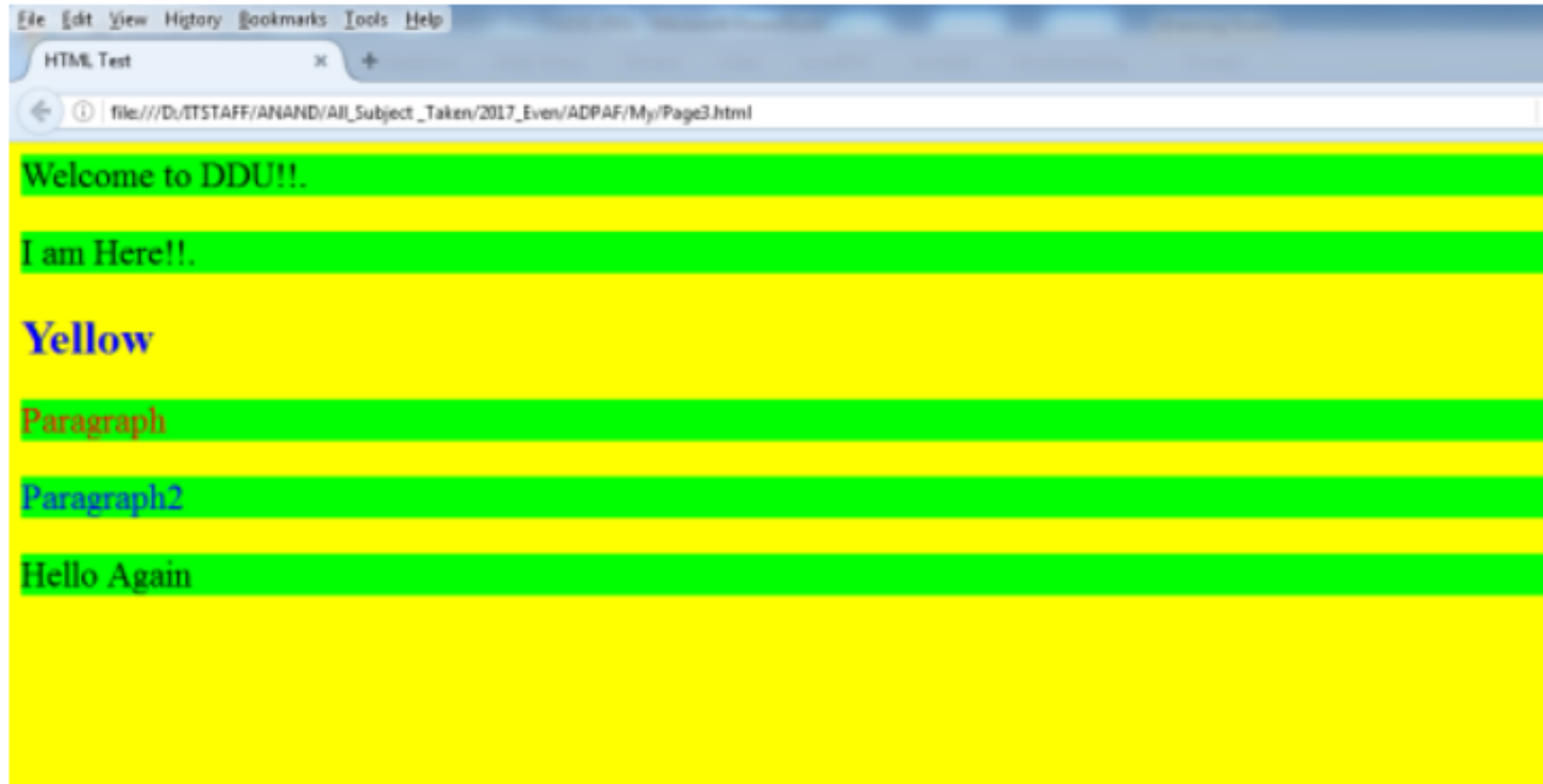
```
</P>
```

```
<p> Hello Again</p>
```

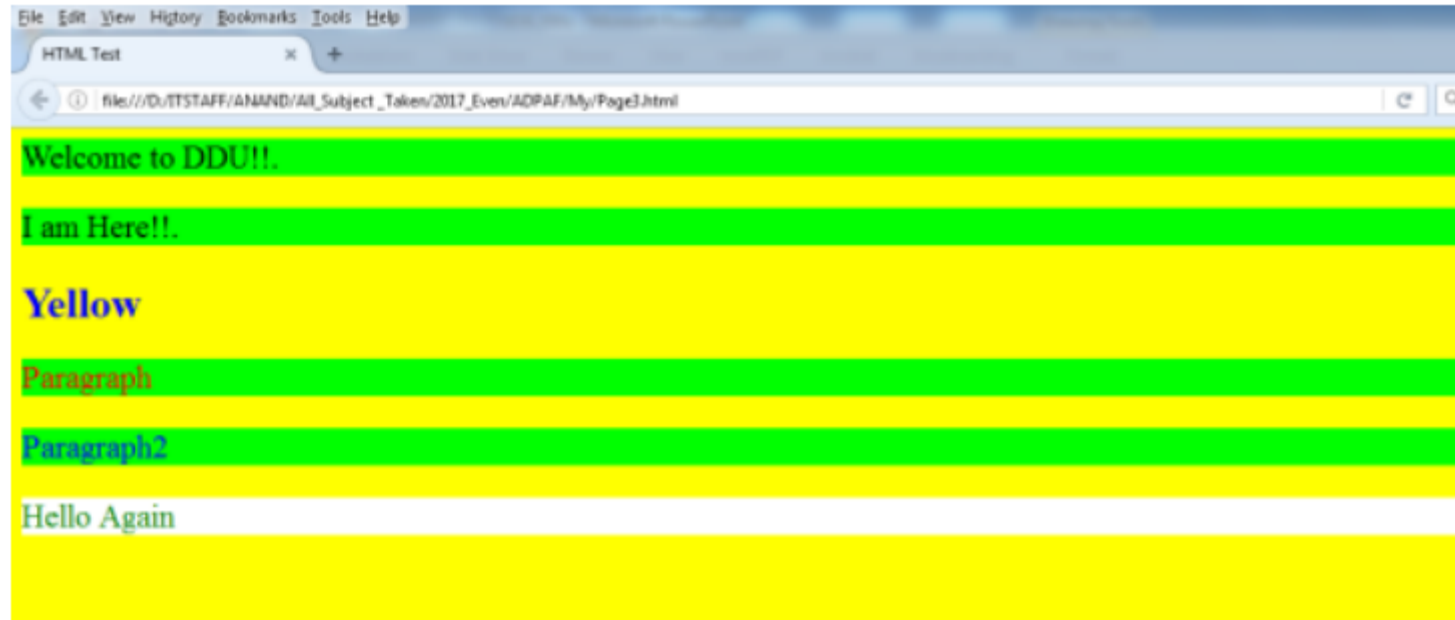
```
</body>
```

```
</html>
```

Pseudo Selector (Output - File)



Pseudo Selector (Output - File)



Pseudo Selector

- Selecting part of an element

Syntax: Names begin with colons

Example:

```
div#oshkosh p:first-line {color:red}
```

```
div#oshkosh p:first-letter {color:red}
```

```
p:first-letter { font-size: 200%; float: left }
```

Pseudo Selector (CSS - File)

```
body {background-color: Yellow}
p {font-size: x-large;background-color : lime}
h1, h3 {color: blue}
p.para1 {color:red;}
p.para2 {color:blue;}
.para{color: Red;}
#section2 { background-color: White; font-size: 22}
.MyStyle {color : White; font-size: 40;}
p:hover      {color:green; background-color: White}
div#oshkosh p:first-letter {color:red}
```

Pseudo Selector

(html - File)

```
<html>
```

```
<head>
```

```
<title>HTML Test</title>
```

```
<link rel = "stylesheet"  
type = "text/css"  
href = "master.css" />
```

```
</head>
```

```
<body>
```

```
<p> Welcome to DDU!!.</p>
```

```
<p>I am Here!!.</p>
```

```
<h1>Yellow </h1>
```

```
<p>
```

```
<p class="para1"> Paragraph  
</p>
```

```
<p class="para2"> Paragraph2  
</p>
```

```
</P>
```

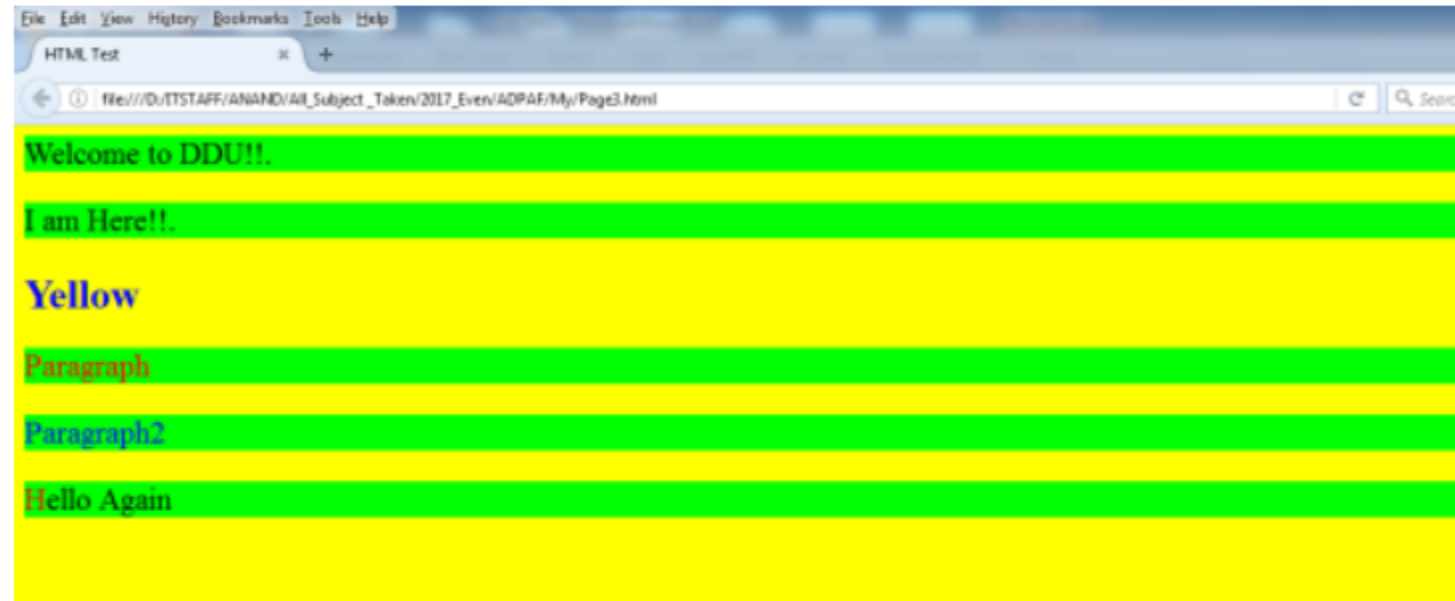
```
<div id="oshkosh">
```

```
<p> Hello Again</p> </div>
```

```
</body>
```

```
</html>
```

Pseudo Selector (Output - File)



Cascading Style Sheets

- A Cascading Style Sheet (CSS) describes the appearance of an HTML page in a separate document
- CSS has the following advantages:
 - It lets you separate content from presentation
 - It lets you define the appearance and layout of all the pages in your web site in a single place
 - It can be used for both HTML and XML pages
- CSS has the following disadvantage:
 - Most browsers don't support it very well