

# Attribute, Empty Tags and Headings

## Web Technologies



Lecture by  
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```
<!doctype html>
<html>
  <head>
    <title>
      Web Technologies
    </title>
    <style>
      p {
        color: ■blue;
      }
    </style>
    <script>
      console.log("client-side");
    </script>
  </head>
  <body>
    <p>
      Welcome!
    </p>
  </body>
</html>
```



# What we will cover

- **HTML attributes**
- **Empty tags**
  - `<br>`
  - `<img>`
- **Headings**

# Empty Tag

- **Two elements with opening and closing tags**

<body></body>

<p></p>

- **Two empty tags**

<br>

<img>

**<br>**

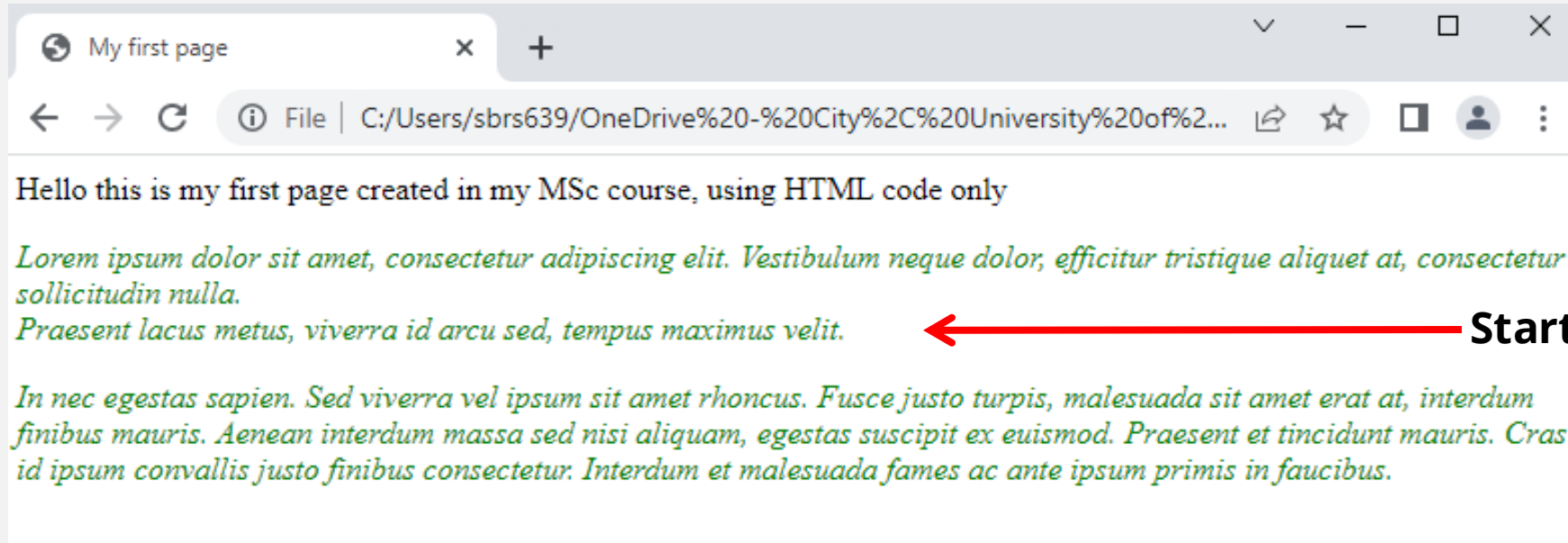
- **To start a new line in the text**
- **To have space between two paragraphs**

# **<br> used inside <p>**

```
<body>
  Hello this is my first page created in my MSc course, using HTML code only
  <p>
    Lorem ipsum dolor sit amet, consectetur adipiscing elit.
    Vestibulum neque dolor, efficitur tristique aliquet at,
    consectetur sollicitudin nulla. <br> Praesent lacus metus,
    viverra id arcu sed, tempus maximus velit.
  </p>
```

**<br> element used inside <p>**

# The Page on a Browser



Starting in a new line

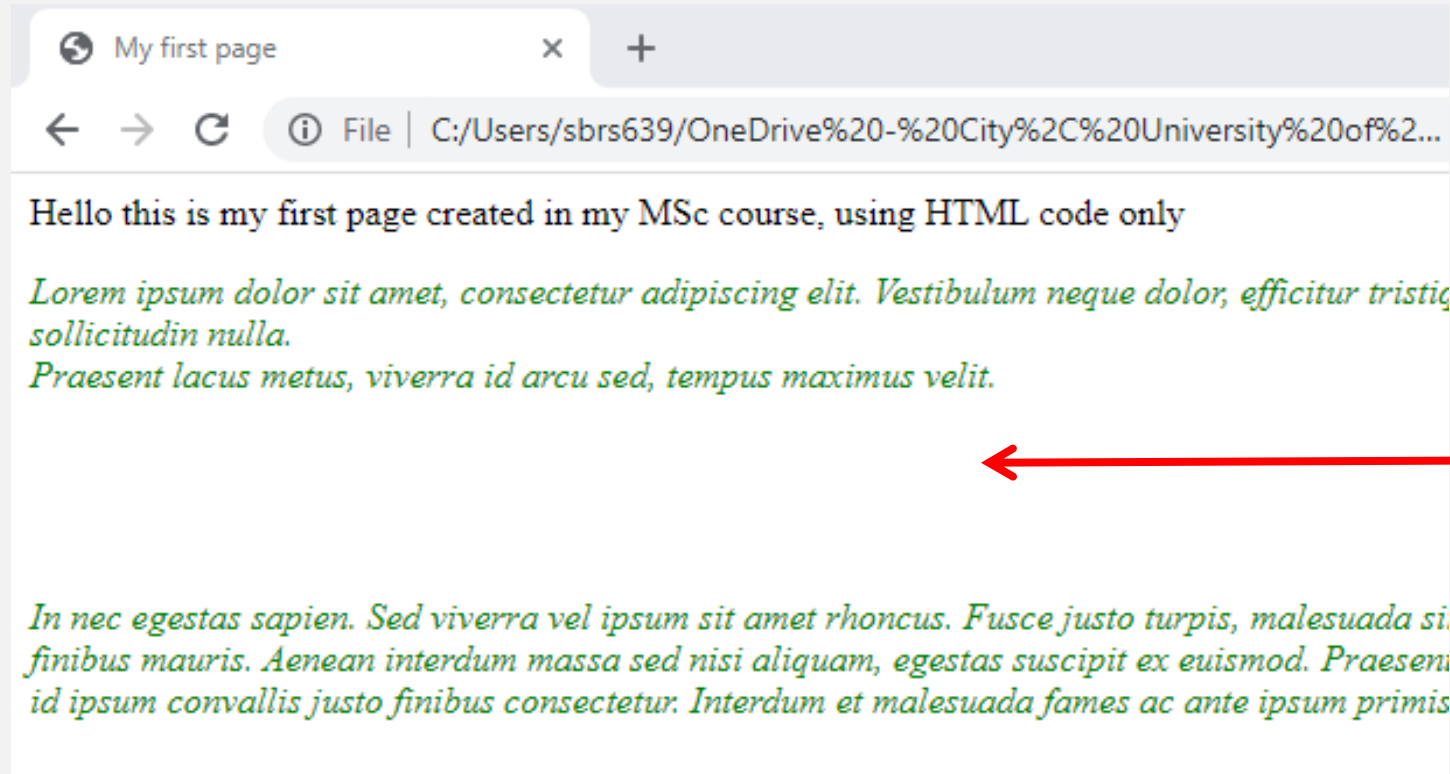
# <br> Used to Create Space

```
<body>
Hello this is my first page created in my MSc course, using HTML code
<p>
  Lorem ipsum dolor sit amet, consectetur adipiscing elit.
  Vestibulum neque dolor, efficitur tristique aliquet at,
  consectetur sollicitudin nulla. <br> Praesent lacus metus,
  viverra id arcu sed, tempus maximus velit.
</p>
<br>
<br>
<br>
<p>
  In nec egestas sapien. Sed viverra vel ipsum sit amet rhoncus. Fusc
  malesuada sit amet erat at, interdum finibus mauris. Aenean interd
  egestas suscipit ex euismod. Praesent et tincidunt mauris. Cras id
  consectetur. Interdum et malesuada fames ac ante ipsum primis in fa
</p>
</body>
```

**<br> elements outside <p>**



# The Page on a Browser



The space created

# Attribute

- Some elements can have an attribute
- An attribute defines the way the content in the element is displayed.
- For example `<html>` can have *lang* as an attribute that defines the language of the page

```
<html lang="en">
```

```
</html>
```

# <img>

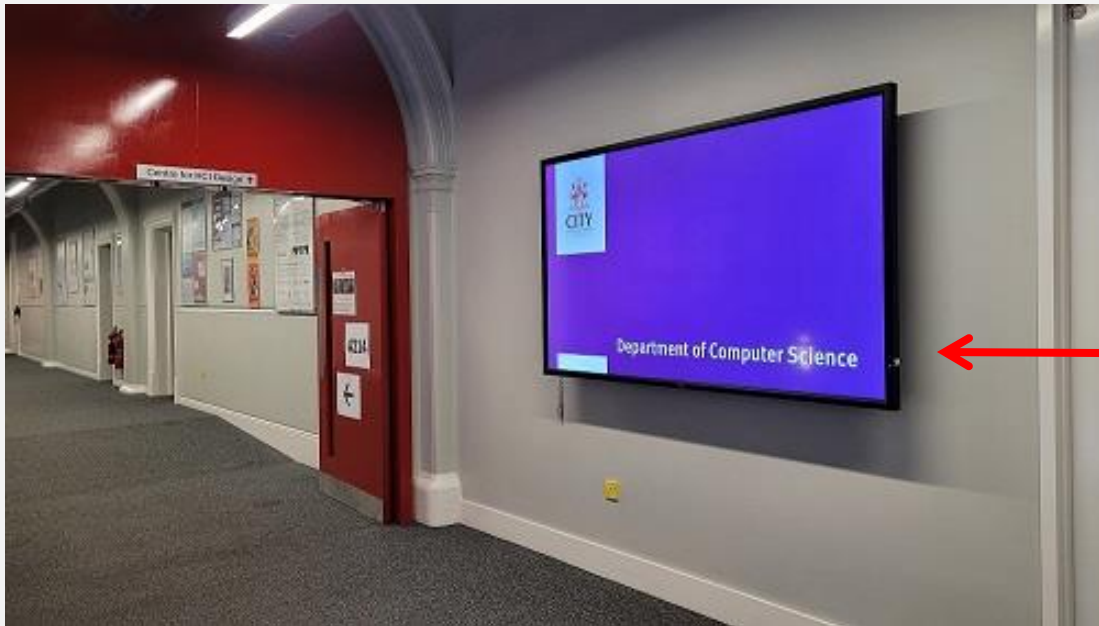
```
<body>
  Hello this is my first page created in my MSc course, using HTML code onl
  <p>
    Lorem ipsum dolor sit amet, consectetur adipiscing elit.
    Vestibulum neque dolor, efficitur tristique aliquet at,
    consectetur sollicitudin nulla. <br> Praesent lacus metus,
    viverra id arcu sed, tempus maximus velit.
  </p>
  <br>
  <br>
  <br>
  <p>
    In nec egestas sapien. Sed viverra vel ipsum sit amet rhoncus. Fusce ju
    malesuada sit amet erat at, interdum finibus mauris. Aenean interdum ma
    egestas suscipit ex euismod. Praesent et tincidunt mauris. Cras id ipsu
    consectetur. Interdum et malesuada fames ac ante ipsum primis in faucib
  </p>
  
</body>
```

**<img> element inside  
<body>**

# <img> Attributes

```

```



department.jpg

# Headings

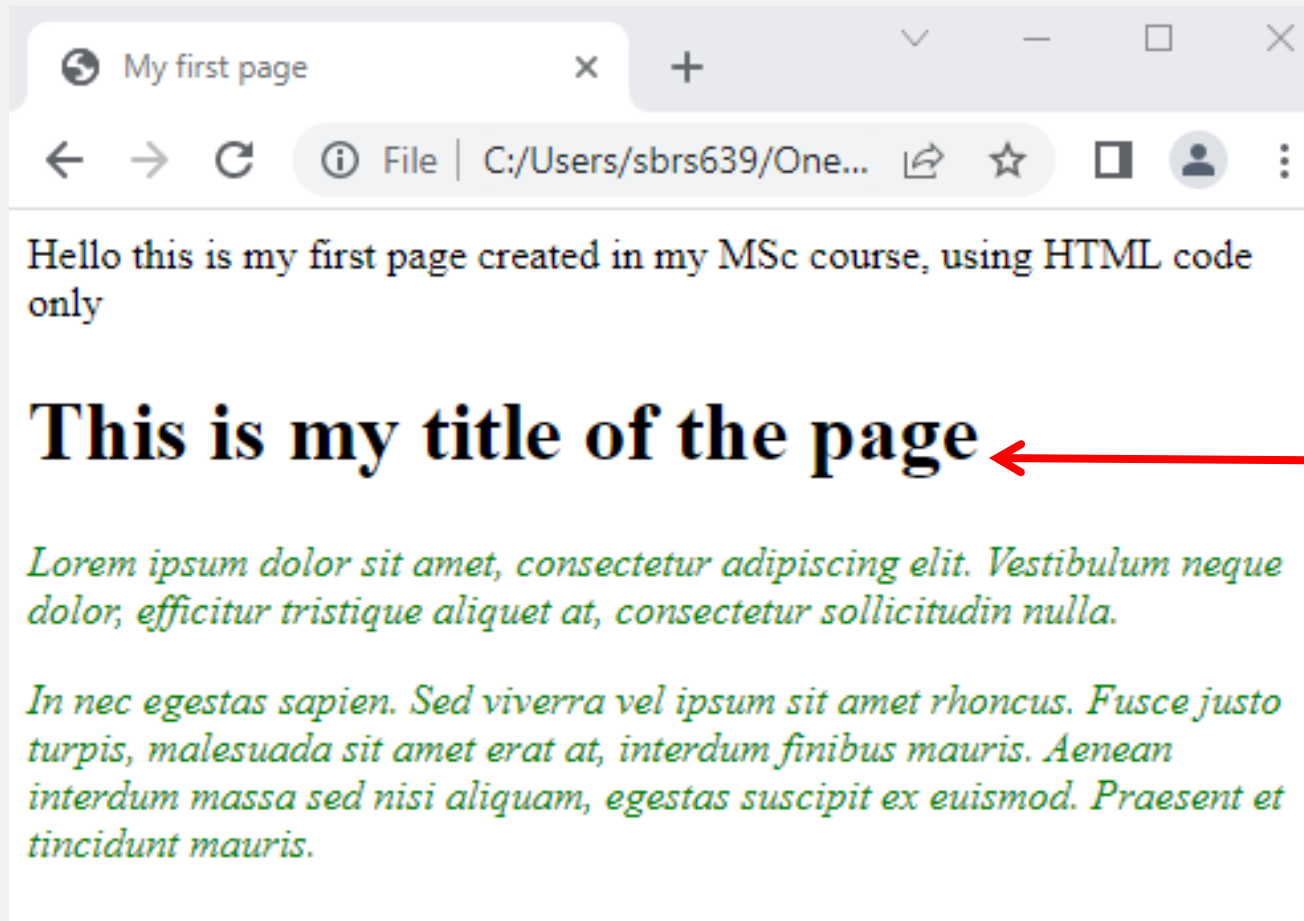
- Inside the `<body>` element
- There are 6 headings elements from `<h1>` to `<h6>`
- `<h1>` First title and the main heading in the page and is the highest level
- `<h2>` the subheading of `<h1>`
- `<h3>` the subheading of `<h2>`

**<h1>**

**<h1> This is my title of the page </h1>**

```
<body>  
  Hello this is my first page created in my MSc course, using HTML code only  
  <h1>This is my title of the page</h1>  
  <p>  
    Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
    Vestibulum neque dolor, efficitur tristique aliquet at,  
    consectetur sollicitudin nulla.  
  </p>
```

# The Page in a Browser



← **<h1> element**

## <h2>

```
<body>
```

```
Hello this is my first page created in my MSc course, using HT
```

```
<h1>This is my title of the page</h1>
```

```
<p>
```

```
    Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
    Vestibulum neque dolor, efficitur tristique aliquet at,  
    consectetur sollicitudin nulla.
```

```
</p>
```

```
<h2>This is the subheading for the first title</h2>
```

```
<p>
```

```
    In nec egestas sapien. Sed viverra vel ipsum sit amet rhoncu  
    malesuada sit amet erat at, interdum finibus mauris. Aenean  
    egestas suscipit ex euismod. Praesent et tincidunt mauris.
```

```
</p>
```

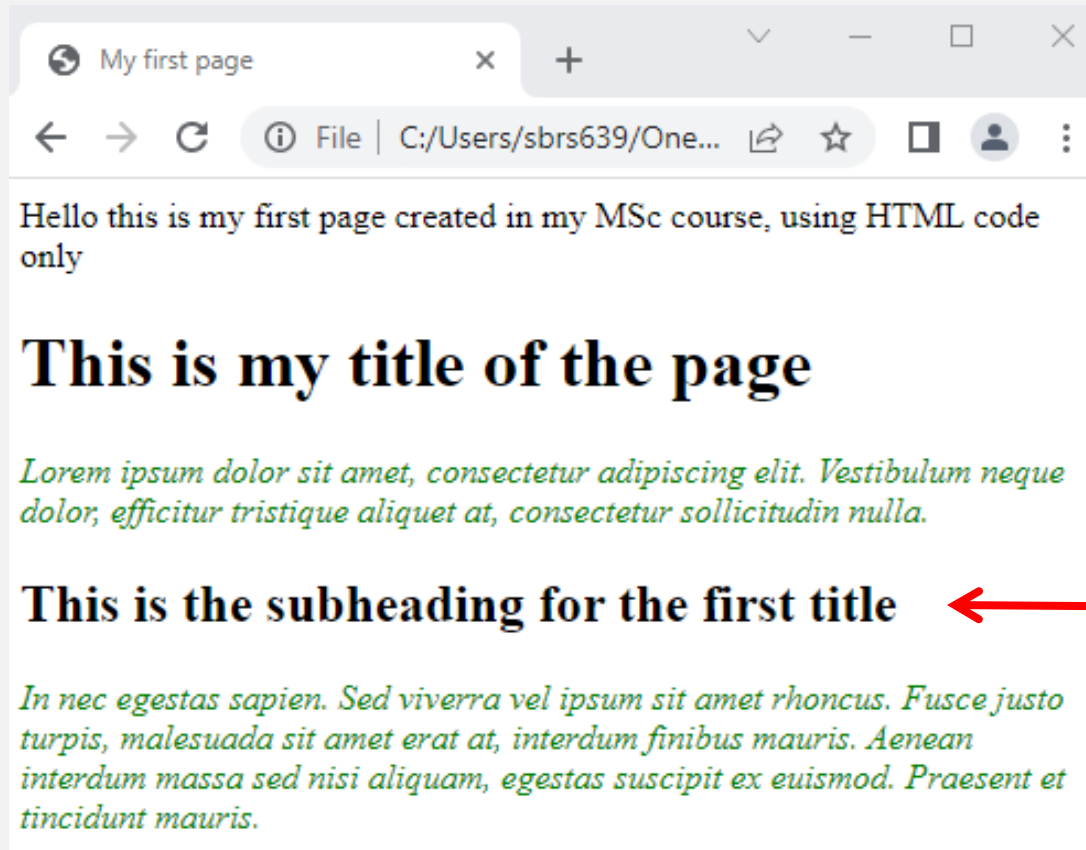
```
</body>
```

**<h1> as the title of the page**

**<h2> as the subheading for the title**



# The Page in a Browser



← `<h2>` element

# Try It Yourself

In this activity you practice how to use the `<br>` and `<img>` elements

1. Use the `<br>` element inside your first paragraph
2. Use the `<br>` element to create three lines between your paragraphs
3. Use the `<img>` element to insert an image to your page using two attributes `src` and `alt`
4. Inside the `<body>` element before your first paragraph `<p>` enter `<h1>` element. The text content of `<h1>` can be any title you choose to have for the page
5. If you have a second paragraph, try `<h2>` element and choose any text content for as a subheadings for the page
6. Save and run the page in your browser to see the added title and subheading