



{ Basics of HTML and CSS

Three aspects of website development

1. Web Design (Frontend)

HTML, CSS, jQuery etc.

2. Web Programming (Backend)

PHP, ASP, Servlet etc.

3. Databases

MySQL, PostGRE etc.

Website Development

Today we only
focus on Design
{ HTML, CSS

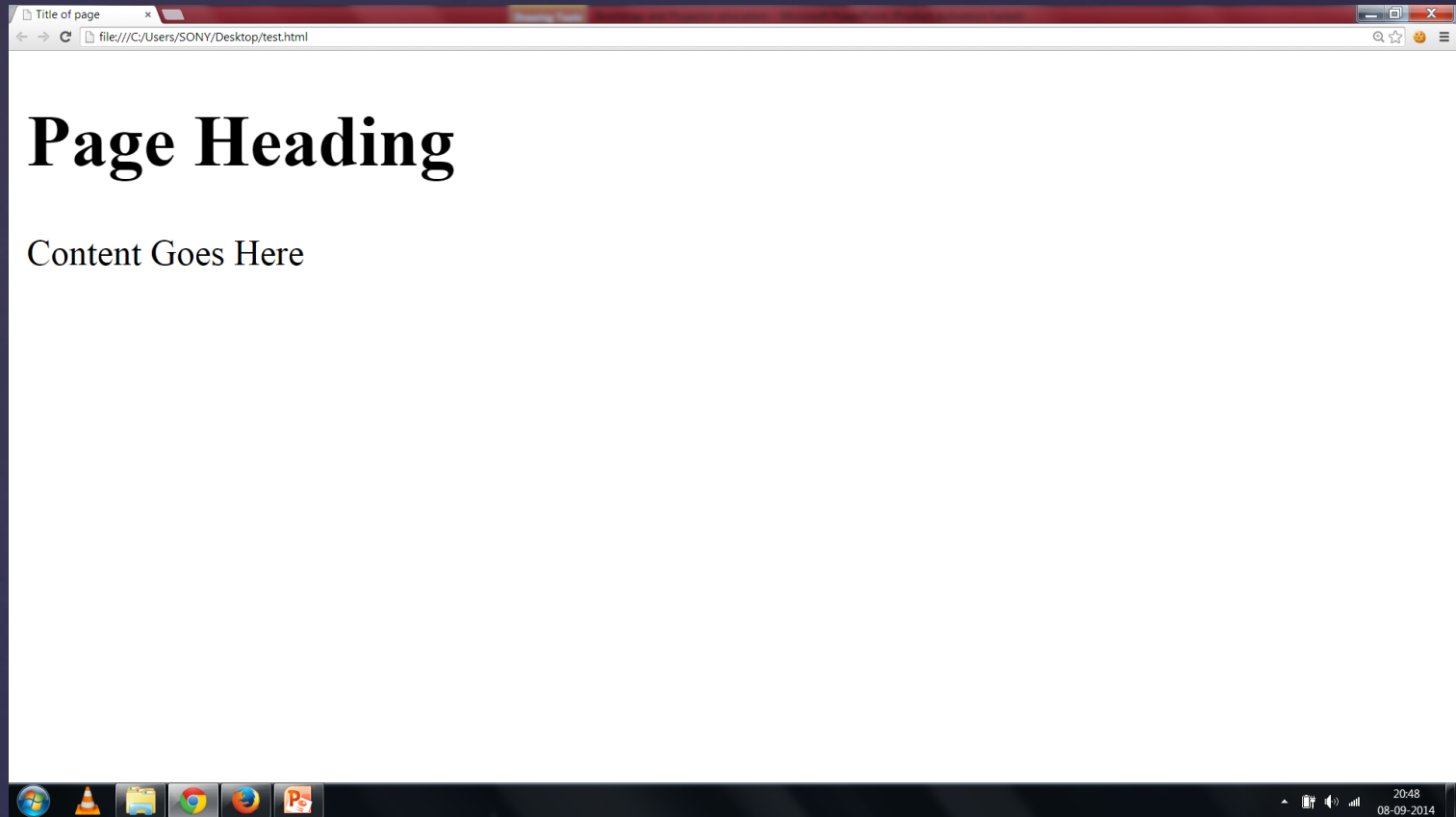
- ⌘ HTML stands for **H**yper **T**ext **M**ark-up Language
- ⌘ **What to display?**
- ⌘ Simplest way to display items on a web browser
- ⌘ Makes use of tags to render desired objects
- ⌘ Latest Version - HTML5

HTML

Write the following code on a file named index.html and open it using a web browser. Now lookup more tags online and play around with the page

```
<!DOCTYPE html>      <!-- Used For HTML5 pages -->
<html>
  <head>
    <title>    Title of page </title>
  <body>
    <h1>
      Page Heading
    </h1>
    <p>
      Content Goes Here
    </p>
  </body>
</html>
```

Simple HTML Page



Output of previous code

- ⌘ Play around with more HTML tags.
- ⌘ Refer the lab problem statement and try out the different tasks in it.

CSS

{ Try this section only once you are comfortable with HTML tags

⌘ CSS stands for Cascading Style Sheets

⌘ Latest version – CSS3

⌘ **How/where to display** HTML elements

⌘ Referring HTML Tag elements Two Types

1. Id – identifies an html element uniquely
2. Class – identifies a set of html elements

⌘ Three types of adding CSS

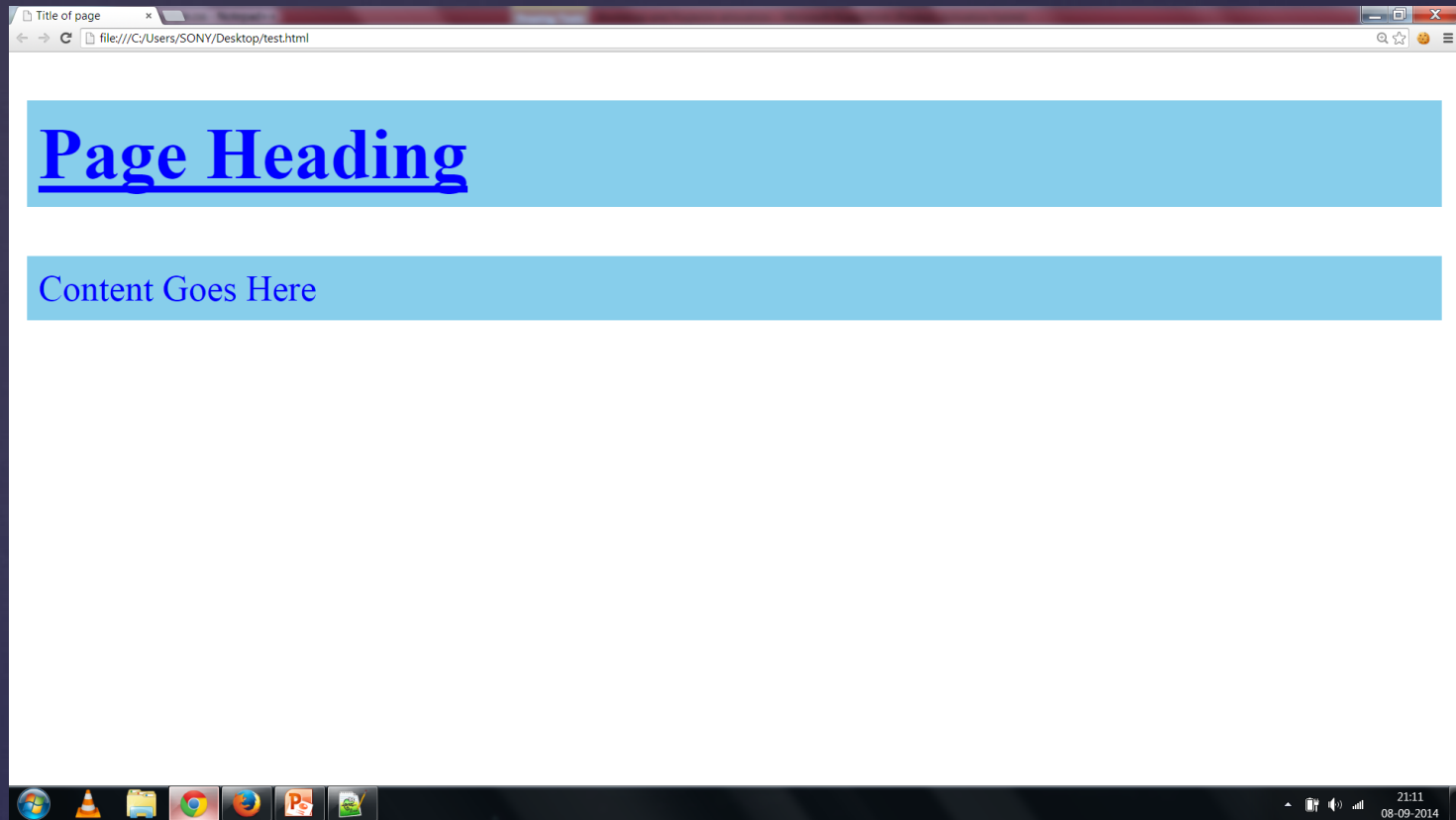
1. Inline – Properties added on same line as tag
2. Internal – Properties of all elements of a page inside style tag
3. External – Use another file for adding properties

CSS

Inline Styling {

```
<!DOCTYPE html>      <!-- Used For HTML5 pages -->
<html>
  <head>
    <title>  Title of page </title>
  <body>
    <h1 style = "color:blue; background: skyblue; padding:5px; text-
    decoration:underline">
      Page Heading
    </h1>
    <p style = "color:blue; background: skyblue; padding:5px; " >
      Content Goes Here
    </p>
  </body>
</html>
```

Syntax at HTML

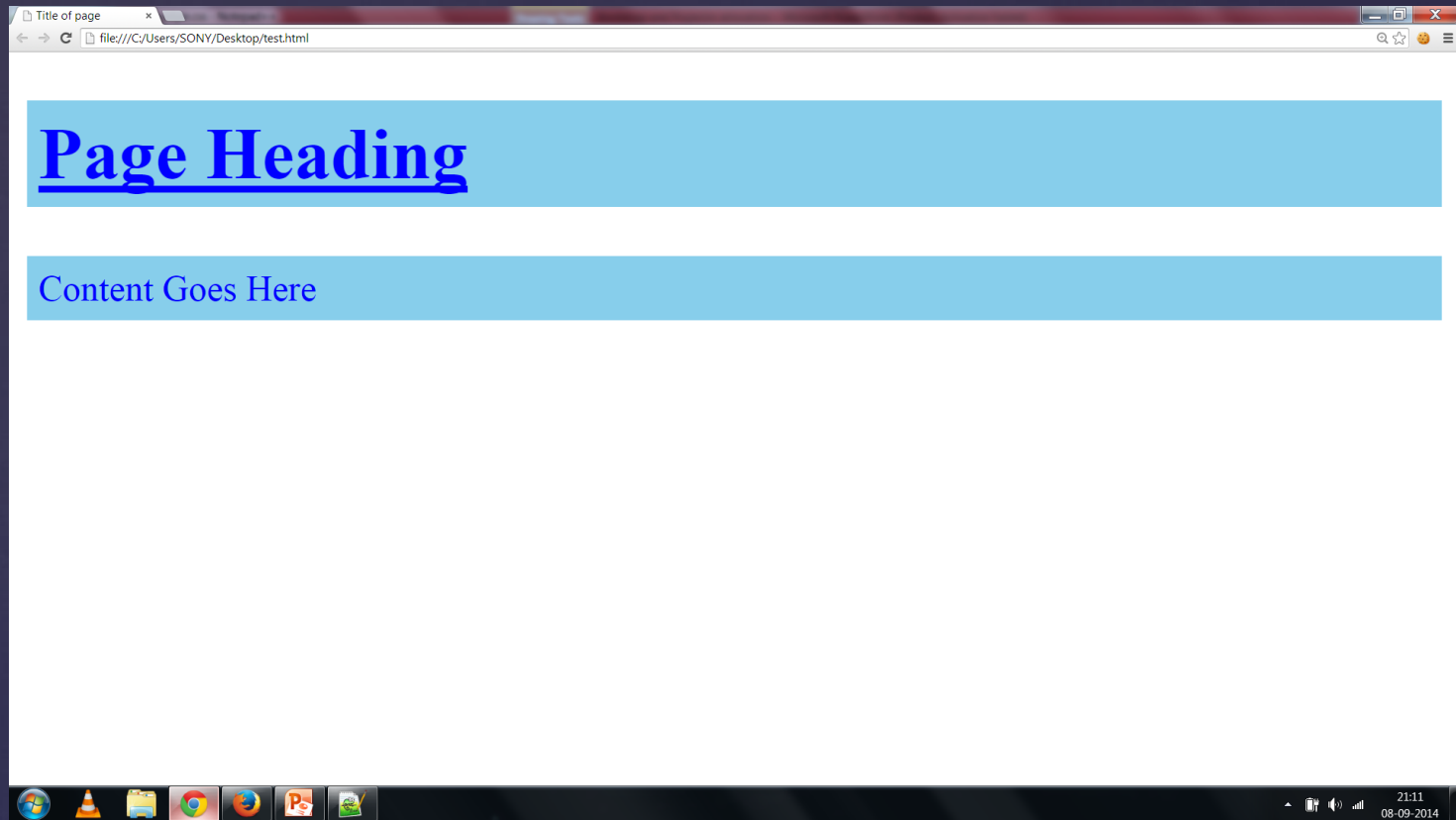


Output

Internal Styling {

```
<!DOCTYPE html> <!-- Used For HTML5 pages -->
<html>
  <head>
    <title>    Title of page </title>
    <style>
      .body-content{ color: blue; background: skyblue; padding: 5px; }
      .underline{ text-decoration: underline;}
    </style>
  <body>
    <h1 class = "body-content underline" >
      Page Heading
    </h1>
    <p class= "body-content" >
      Content Goes Here
    </p>
  </body>
</html>
```

Syntax at HTML



Output – same as before

External Styling

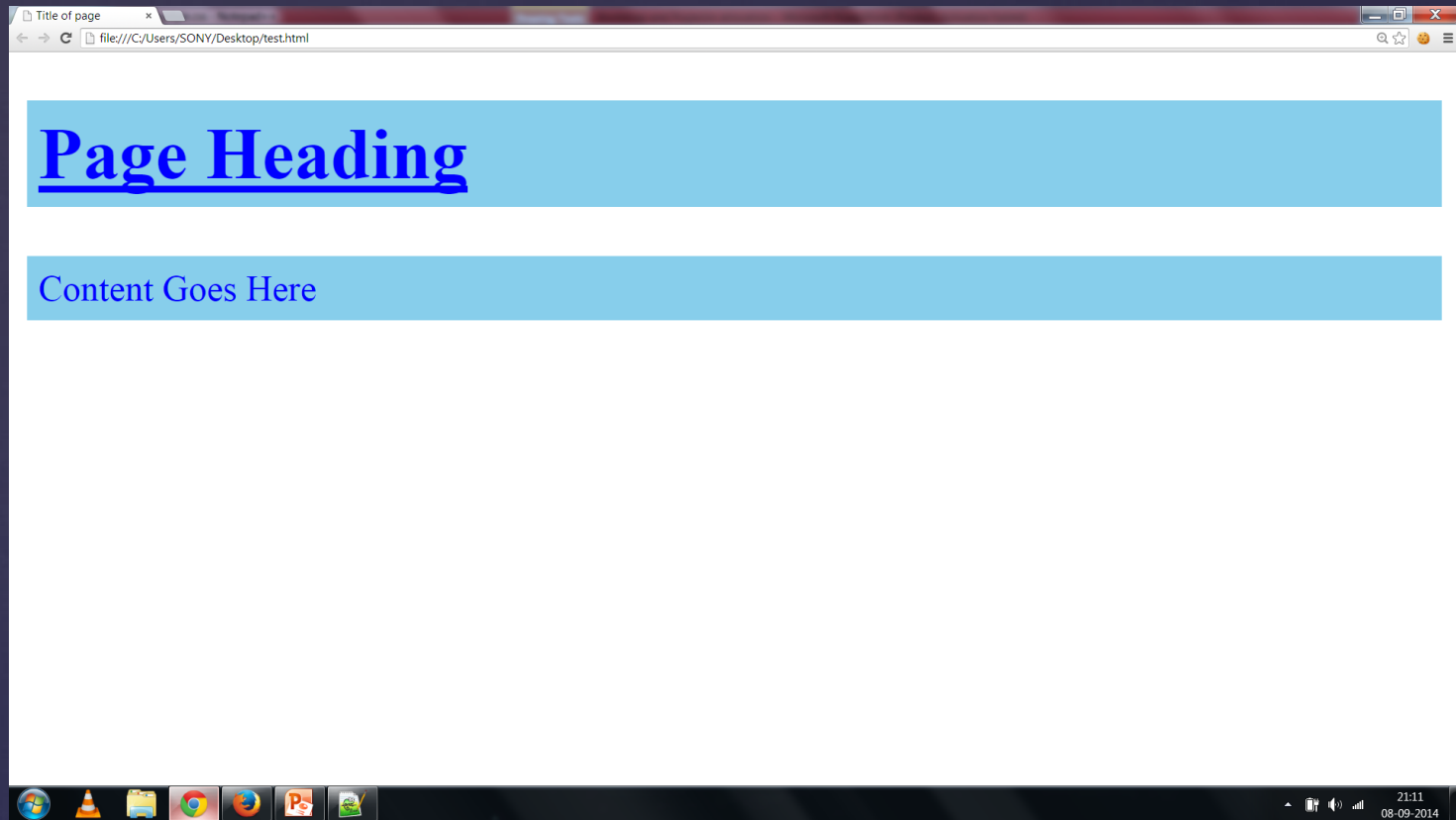
{


```
<!DOCTYPE html> <!-- Used For HTML5 pages -->
<html>
  <head>
    <title>    Title of page </title>
    <link rel="stylesheet" type="text/css" href="mystyle.css">
  <body>
    <h1 class = "body-content underline" >
      Page Heading
    </h1>
    <p class= "body-content" >
      Content Goes Here
    </p>
  </body>
</html>
```

Syntax at HTML

```
.body-content
{
    color: blue;
    background: skyblue;
    padding: 5px;
}
.underline
{
    text-decoration: underline;
}
```

Typical css syntax



Output – Same as before

- ⌘ See how different ways of css styling format produces the same results.
- ⌘ Practice more of HTML tags initially and only when comfortable move on to CSS.
- ⌘ In this lab you are expected to learn HTML properly, but CSS could be done later.

Conclusion