

CSS

# PURPOSE OF HTML

- Describes and defines content
- Adds meaning to content to help search engines

**Semantic Tags/Elements**

HOMework QUESTIONS?

# INDIVIDUAL PROJECT

# Cornerstone technologies for the WWW

describes how the content should be rendered

HTML + CSS + JS = WEB PAGE

the content to be rendered

makes the page interactive

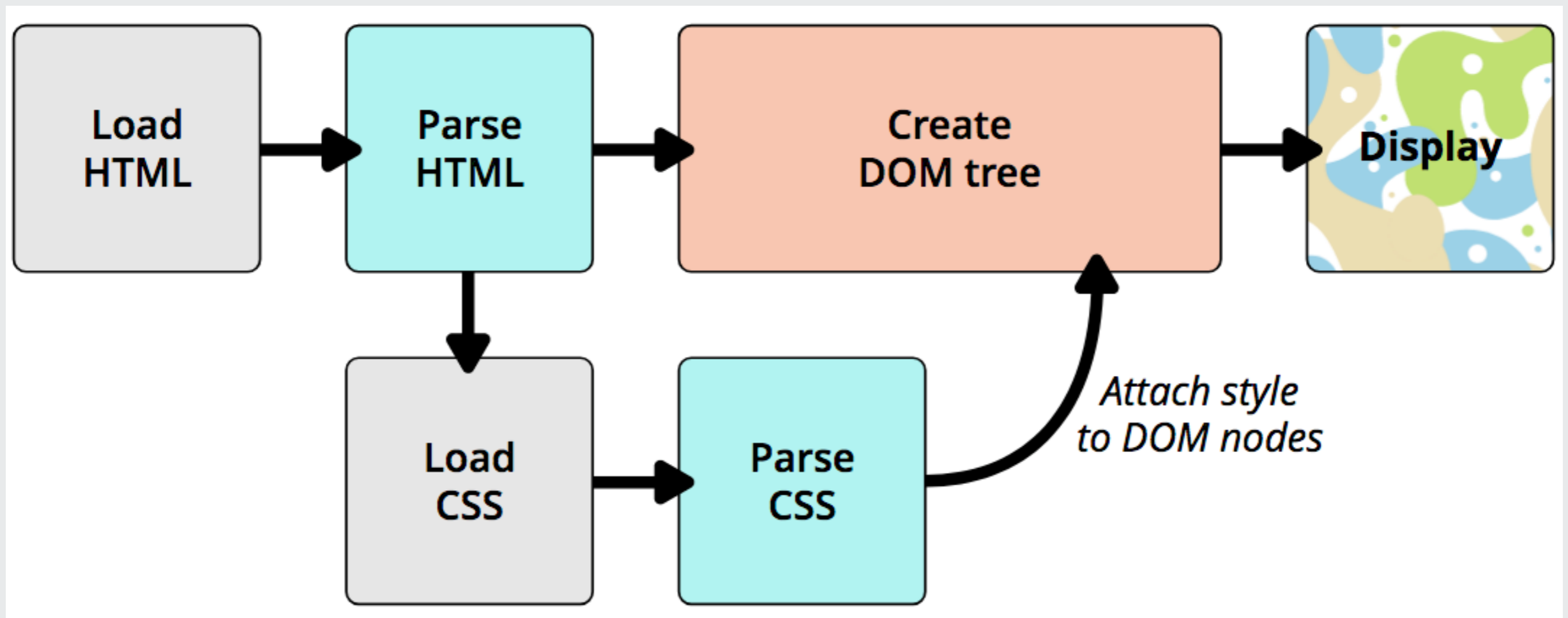
# CSS

## Cascading **S**tyle **S**heets

CSS is a stylesheet language used to describe the presentation of a document written in HTML or XML.

Allows a browser engine to paint elements of the page with specific features like colors, positioning or decorations.

# HOW DOES CSS AFFECT HTML



# CSS Vocabulary

- Selector
- Property
- Value
- CSS Declaration
- CSS Ruleset or Rule

```
h1 {  
    font-size: 35px;  
    font-weight: normal;  
    text-align: center;  
    color: #666;  
}
```



# HOW TO APPLY CSS

- External Stylesheet

Defined in an external file. Included via the `<link>` element. Affects **all** pages where it is included.

- Internal Stylesheet

Included in the page via the `<style>` element. Affects **only** the page it is included in.

- Inline Styles

Included via the *style attribute* for a HTML element. Affects **only** the element.

# SAMPLES IN FOLDER

week-04/01

Let's try some CSS

# DEVELOPER TOOLS

# DOM

**D**ocument **O**bject **M**odel

Created by the browser, and has a tree-like structure

HTML Element => DOM Node

# HTML $\Rightarrow$ DOM Tree

```
<!doctype html>  
<html lang="en">  
  
  <head>  
    <title>IST 263</title>  
  </head>  
  
  <body>  
    <p>Hello World !!!</p>  
  </body>  
  
</html>
```

# DOM NODE - RELATIONSHIPS

## Parent, Child & Siblings

<p>

Let's use:

<span>Cascading</span>

<span>Style</span>

<span>Sheets</span>

</p>

P

└─ "Let's use:"

└─ SPAN

| └─ "Cascading"

└─ SPAN

| └─ "Style"

└─ SPAN

└─ "Sheets"

# MORE CSS

Next Class