**Sass**

(Syntactically Awesome Style Sheets)

* An extension of CSS that allows you to use variables, rules, importing and many more. It helps you create faster style sheets.

**\*Syntax**

* Indented - uses the file extension of sass (.sass) and indentations rather than using brackets; different from CSS syntax. But it's much more faster to write.
* SCSS( Sassy CSS) - different from indented because it is compliant of the CSS syntax and is using the file extension ( .scss).

**Variables**

* Using a certain value for a variable and using it other parts of the style sheets.

Example:

$font-stack:    Helvetica, sans-serif;  
$primary-color: #333;  
  
body {  
  font: 100% $font-stack;  
  color: $primary-color;  
}

The following CSS will be produced:  
  
body {  
  font: 100% Helvetica, sans-serif;  
  color: #333;  
}

**\*Nesting**

     It helps in saving more time in writing the code for your styles but sometimes can be a risk if overqualified CSS could be committed.

For example :

nav {  
  ul {  
    margin: 0;  
    padding: 0;  
    list-style: none;  
  }  
  
  li { display: inline-block; }  
  
  a {  
    display: block;  
    padding: 6px 12px;  
    text-decoration: none;  
  }  
}

The CSS output is as follows:

nav ul {  
  margin: 0;  
  padding: 0;  
  list-style: none;  
}  
  
nav li {  
  display: inline-block;  
}  
  
nav a {  
  display: block;  
  padding: 6px 12px;  
  text-decoration: none;  
}

**Partials**

Are smaller in size sass files which are then used to be imported. Used as a Code snippet.

**Import**

Used with partials the @import allows you to import partial files, to build a whole CSS file .

// \_reset.scss  
  
html,  
body,  
ul,  
ol {  
   margin: 0;  
  padding: 0;  
}

// basefile.scss  
  
@import 'reset';  
  
body {  
  font: 100% Helvetica, sans-serif;  
  background-color: #efefef;  
}

And the corresponding CSS output:

html, body, ul, ol {  
  margin: 0;  
  padding: 0;  
}  
  
body {  
  font: 100% Helvetica, sans-serif;  
  background-color: #efefef;  
}