**Assignment 2**

CSS Styling Techniques Cheat Sheet

**Objective:**

This cheat sheet covers the essential CSS styling techniques, including selectors, box model, positioning, flexbox, grid, typography, and responsive design.

**1. Selectors**:

* Element Selector: Targets all instances of a specified HTML element.

p {

/\* Styles applied to all <p> elements \*/

}

* Class Selector: Targets elements with a specific class attribute.

.classname {

/\* Styles applied to elements with class="classname" \*/

}

* ID Selector: Targets a single element with a specific id attribute.

#idname {

/\* Styles applied to element with id="idname" \*/

}

**2. Box Model:**

* Margin: Space outside the border of an element.

.box {

margin: 10px; /\* Applies 10px margin on all sides \*/

}

* Padding: Space between the content and the border of an element.

.box {

padding: 10px; /\* Applies 10px padding on all sides \*/

}

* Border: Border around the padding of an element.

.box {

border: 1px solid #000; /\* 1px solid black border \*/

}

* Width & Height: Dimensions of the content area.

.box {

width: 200px;

height: 100px;

}

**3. Positioning**:

* Relative: Positioned relative to its normal position.

.box {

position: relative;

top: 10px;

left: 20px;

}

* Absolute: Positioned relative to the nearest positioned ancestor.

.box {

position: absolute;

top: 0;

right: 0;

}

* Fixed: Positioned relative to the viewport.

.box {

position: fixed;

bottom: 0;

left: 0;

}

**4. Flexbox:**

* Container Properties:

.container {

display: flex;

flex-direction: row;

justify-content: center;

align-items: center;

}

* Item Properties:

.item {

flex: 1;

align-self: flex-end;

}

**5. Grid:**

* Container Properties:

.container {

display: grid;

grid-template-columns: 1fr 1fr 1fr;

grid-gap: 10px;

}

* Item Properties:

.item {

grid-column: 1 / 3;

grid-row: 2;

}

**6. Typography:**

* Font Properties:

.text {

font-family: Arial, sans-serif;

font-size: 16px;

font-weight: bold;

color: #333;

}

* Text Alignment:

.text {

text-align: center;

}