Web Design – Experiment 2

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WD - Experiment 2

- **Aim :**
To apply various CSS properties, border margins, padding, navigation, dropdown list to page created in the first experiment.

- **Theory :**

→ First we will study the CSS selectors that we can use to select the HTML elements :

i. element-name { } → here we can directly call the element by its name which manipulates all the elements with that name on screen.

ii. #id-name { } → This is used to manipulate elements using its I.D.

iii. .class-name { } → This is used to manipulate elements with their class name.

→ Now we will study the attributes used in these selectors to apply CSS :-

i. width : sets the width of the element, it can be specified in various units such as pixels, percentages, or viewport units.

ii. background-url : Sets the background color of the element. It can be specified using color-names, hex-values or RGB values.

iii. display : Specifies the type of box used for an element, affecting its layout. Common-values are block, inline, flex and grid.

iv. flex-direction : Specifies the direction of the flexible items inside a flex-container. It determines the main axis.

v. align-items : Aligns the items inside a flexc container perpendicular to the main axis.

vi margin : Sets margin around an element.

vii border-radius : Defines the radius of element's corner, allowing to create rounded corners.

viii padding : Sets the padding of an element creating space around the content inside its border.

ix box-sizing : Defines how the total width and height of an element

x list-style-type : Specifies the type of list-item-marker in a list.

xi color : Sets the color of the text.

xii text-align : Sets the horizontal alignment of text content within a containing element.

xiii font-style : Specifies font-style for text, common values are 'right', 'left', 'centre'.

xiv font-family : Specifies the font family for the text.

xv font-size : Sets the size of the font.

xvi font-weight : Specifies the font weight. Ranges between 100 to 900, controlling how thick/thin font is.

xvii object-fit : Specifies how the content is fit inside the box, controlling sizing & positioning

xviii aspect-ratio : Sets the aspect ratio of an element.

• Conclusion :
We have learnt the various CSS selectors and their attributes and thus upgraded our HTML website to look more friendly and user-appealing.

CSS Code :

```css
body,html{
    width: 100vw;
}
.maindiv{
    background-color:  rgb(127, 175, 220);
}
.container {
    display: flex;
    flex-direction: column;
    align-items: center;

    margin: 0;
}

.nav {
    background-color: rgb(10, 5, 61);
    margin: 0;
    border-radius: 5px;
    padding: 10px;
    width: 100vw;
    box-sizing: border-box;
}

.nav-wrapper {
    display: flex;
    justify-content: space-between;
    align-items: center;
    max-width: 800px;
    margin: 0 auto;
}

.logo img {
    width: 100px;
    height: auto;
}

#menu {
    list-style-type: none;
    display: flex;
}

.nav-link {
    margin: 0 10px;

    /* background-color: ; */
}
```
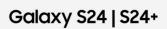
```css
.nav-link li a {
    margin: 0 10px;
    color: #000000;
}

.nav-link li a :hover{
    color: purple;
}

header {
    text-align: center;
    margin-top: 20px;

    font-style:oblique;
    font-family : Inter,sans-serif;
}
header h1{
    font-size: 50px;
    font-weight: 700;
}

.product-details {
    text-align: center;
}

.product {
    max-width: 100%;
    height: auto;
    border-radius: 8px;
    box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
    margin-top: 20px;
}

.description {
    margin-top: 20px;
}

button {
    background-color: #007BFF;
    color: white;
    padding: 10px 20px;
    font-size: 16px;
    border: none;
    border-radius: 5px;
    cursor: pointer;
    margin-top: 20px;
    margin-bottom: 100px;
}
```

```css
button:hover {
    background-color: #0056b3;
}
ol{
    list-style: none;
}
.carousel-inner{
    /* min-height: 500px;
    max-height: 600px; */
    /* margin-bottom: 100px; */
    margin-top: 100px;
    aspect-ratio: 16/9;
}
#ca2{
    object-fit: cover;
    height: auto;
}
spec{
    display: grid;
    grid-template-columns: 3;
    grid-template-rows: 3;

}
.card{
    height: 150px;
    margin-top: 10px;
    margin-bottom: 10px;
}

.buyNowButton{
    margin-top: 40px;
    display: flex;
    justify-content: center;
}


@import
url("https://fonts.googleapis.com/css2?family=Poppins:wght@200;300;400;500;600
;700;800;900&display=swap");



.footer {
  position: relative;
  width: 100%;
  background: rgb(127, 175, 220);
  min-height: 100px;
  padding: 20px 50px;
```

```css
  display: flex;
  justify-content: center;
  align-items: center;
  flex-direction: column;

}

.social-icon,
.menu {
  position: relative;
  display: flex;
  justify-content: center;
  align-items: center;
  margin: 10px 0;
  flex-wrap: wrap;
}

.social-icon__item,
.menu__item {
  list-style: none;
}

.social-icon__link {
  font-size: 2rem;
  color: #fff;
  margin: 0 10px;
  display: inline-block;
  transition: 0.5s;
}
.social-icon__link:hover {
  transform: translateY(-10px);
}

.menu__link {
  font-size: 1.2rem;
  color: #fff;
  margin: 0 10px;
  display: inline-block;
  transition: 0.5s;
  text-decoration: none;
  opacity: 0.75;
  font-weight: 300;
}

.menu__link:hover {
  opacity: 1;
}
```

```css
.footer p {
  color: #fff;
  margin: 15px 0 10px 0;
  font-size: 1rem;
  font-weight: 300;
}
```

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