

**K. J. Somaiya College of Engineering, Mumbai-77**  
(A Constituent College of Somaiya Vidyavihar University)

**Batch:-B-2**

**Roll No:-16010122151**

**Experiment No. 02**

**TITLE: Develop and demonstrate the usage of inline, internal and external style sheet using CSS**

**AIM:** To demonstrate usage of CSS

**Expected Outcome of Experiment:** Use CSS to prepare the layout of web pages.

**Books/ Journals/ Websites referred:**

1. .codewithharry.com

Importance of CSS in designing of a website is to be explained. Explain various ways to use CSS. Also explain how to change background colour of page, adding and editing border types, adding navigation bars, usage of various types of 2D and 3D transformation.

**Description of the CSS style code with its effect at output:**

< Add code and screen shots of the pages here>

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-
scale=1.0">
    <title>Flipkart Clone</title>
    <link rel="shortcut icon" href="https://static-assets-
web.flixcart.com/www/promos/new/20150528-140547-favicon-retina.ico"
type="image/x-icon">
    <link rel="stylesheet" href="style.css">
    <link rel="stylesheet" href ="flipkart.css">
</head>
<body>

    <!-- header -->
```

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```

<header>
    <div class="nav-container">
        <div class="logo">
            
        </div>
        <div class="search">
            <div class="search-container">
                <input type="text" class="search-box"
placeholder="Search for products, brands and more">
                <button class="search-btn">
                    <svg width="20" height="20" viewBox="0 0 17
18" class="" xmlns="http://www.w3.org/2000/svg"><g fill="#2874F1"
fill-rule="evenodd"><path class="_34RNph" d="m11.618 9.897l4.225
4.212c.092.101.232.02.313l-1.465 1.46c-.081.081-.221.072-.314-
.02l-4.216-4.203"></path><path class="_34RNph" d="m6.486 10.901c-
2.42 0-4.381-1.956-4.381-4.368 0-2.413 1.961-4.369 4.381-4.369 2.42
0 4.381 1.956 4.381 4.369 0 2.413-1.961 4.368-4.381 4.368m0-10.835c-
3.582 0-6.486 2.895-6.486 6.467 0 3.572 2.904 6.467 6.486 6.467
3.582 0 6.486-2.895 6.486-6.467 0-3.572-2.904-6.467-6.486-
6.467"></path></g></svg>
                </button>
            </div>
        </div>
        <div class="login">
            <button>Login</button>
        </div>
        <div class="become-seller">
            Become a Seller
        </div>
        <div class="more">
            More
            <svg width="4.7" height="8" viewBox="0 0 16 27"
xmlns="http://www.w3.org/2000/svg" class="zZ3yfL"><path d="M16
23.207L6.11 13.161 16 3.093 12.955 0 0 13.161l12.955 13.161z"
fill="#fff" class="_2gTTdy"></path></svg>
        </div>
        <div class="cart">
            <svg class="V3C5b0" width="14" height="14"
viewBox="0 0 16 16" xmlns="http://www.w3.org/2000/svg"><path
class="_1bS9ic" d="M15.32 2.405H4.887C3 2.405 2.46.805
2.46.805L2.257.21C2.208.085 2.083 0 1.946 0H.336C.1 0-
.064.24.024.46L.644 1.945L3.11 9.767C.047.137.175.23.32.23h8.418l-
.493 1.958H3.768l.002.003c-.017 0-.033-.003-.05-.003-1.06 0-1.92.86-
1.92 1.92s.86 1.92 1.92 1.92c.99 0 1.805-.75 1.91-
1.712l5.55.076c.12.922.91 1.636 1.867 1.636 1.04 0 1.885-.844 1.885-
1.885 0-.866-.584-1.593-1.38-1.814l2.423-8.832c.12-.433-.206-.86-
.655-.86" fill="#fff"></path></svg>
            Cart
        </div>
    </div>

```

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```
</div>
</div>
</header>

<!-- section 1 -->
<section class="section-1">
    <div class="section-1-container">
        <div class="section-1-item">
            
                Top Offers
            </div>
        <div class="section-1-item">
            
                Mobiles & Tablets
            </div>
        <div class="section-1-item">
            
                Electronics
            </div>
        <div class="section-1-item">
            
                TVs & Appliances
            </div>
        <div class="section-1-item">
            
                Fashion
            </div>
        <div class="section-1-item">
            
                Beauty
            </div>
        <div class="section-1-item">
            
                Home & Furniture
            </div>
        <div class="section-1-item">
            
                Flights
            </div>
        <div class="section-1-item">
```

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```


    Grocery
  </div>
</div>
</section>

<!-- section 2 -->
<section class="section-2 container">
  <div class="section-2-container">
    </div>
</section>

<!-- section 3 -->
<section class="section-3 container">
  <div class="section-3-container">
    </div>
</section>

<!-- section 4 -->
<section class="section-4 container">
  <div class="section-4-container">
    <div class="section-4-offers">
      <div class="section-4-offers-viewall">
        Top Offers
        <button>View All</button>
      </div>
    </div>
    <div class="section-4-list">
      <div class="section-4-item">
        
          <div class="section-4-item-head">Soft Toy</div>
          <div class="section-4-item-price">Under
₹299</div>
          <div class="section-4-item-explore">Explore
Now!</div>
        </div>
        <div class="section-4-item">
          
          <div class="section-4-item-head">Soft Toy</div>
          <div class="section-4-item-price">Under
₹299</div>
        </div>
      </div>
    </div>
  </div>
</section>

```

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```

<div class="section-4-item-explore">Explore
Now!</div>
</div>
<div class="section-4-item">

<div class="section-4-item-head">Remote Control
Toys</div>
<div class="section-4-item-price">Min 50%
Off</div>
<div class="section-4-item-explore">Explore
Now!</div>
</div>
<div class="section-4-item">

<div class="section-4-item-head">Top Smart
TVs</div>
<div class="section-4-item-price">Buy Now</div>
<div class="section-4-item-explore">Explore
Now!</div>
</div>
<div class="section-4-item">

<div class="section-4-item-head">Gaming
Mouse</div>
<div class="section-4-item-price">From
₹299</div>
<div class="section-4-item-explore">Explore
Now!</div>
</div>
<div class="section-4-item">

<div class="section-4-item-head">Action
Figure</div>
<div class="section-4-item-price">Under
₹699</div>
<div class="section-4-item-explore">Explore
Now!</div>
</div>
```

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```

<div class="section-4-item">
    
        <div class="section-4-item-head">windows, doors
the perfect look</div>
        <div class="section-4-item-price">From
₹229</div>
        <div class="section-4-item-explore">Explore
Now!</div>
    </div>
</div>
</div>
</section>

<!-- section 5 -->
<section class="section-5 container">
    
        
        
    </section>

<!-- footer -->
<footer>
    Made in IN by Flipkart
</footer>

</body>
</html>

```

## CSS

```

@import
url('https://fonts.googleapis.com/css2?family=Roboto:wght@300;400;50
0;700;900&display=swap');

* {
    margin: 0;
    padding: 0;
}
body {

```

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```
font-family: 'Roboto', sans-serif;
background-color: #f1f3f6;
}

:root {
--primary-color: #2874f0;
}

.container {
    padding: 0 8px;
}

/* header */
header {
    background-color: var(--primary-color);
    height: 56px;
}
header .nav-container{
    display: flex;
    /* justify-content: space-between; */
    align-items: center;
    height: 100%;
    max-width: 1248px;
    margin: 0 auto;
}
header .nav-container .logo {
    display: flex;
    min-width: 137px;
    justify-content: flex-end;
}
header .nav-container .logo img{
    width: 75px;
}

header .search {
    height: 100%;
    display: flex;
    align-items: center;
    margin-left: 12px;
}
header .search .search-container{
    width: 540px;
    height: 36px;
    background-color: white;
    border-radius: 2px;
    box-shadow: 0 2px 4px 0 rgb(0 0 0 / 23%);
    display: flex;
}
header .search .search-container input {
```

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```
width: calc(100% - 32px);  
padding: 16px;  
outline: none;  
border: none;  
}  
header .search .search-container button {  
    width: 36px;  
    height: 100%;  
    padding: 0 8px;  
    display: flex;  
    justify-content: center;  
    align-items: center;  
    border: none;  
    background-color: white;  
    border-radius: 0 2px 2px 0;  
    cursor: pointer;  
}  
  
header .login {  
    height: 100%;  
    display: flex;  
    align-items: center;  
    margin: 0 20px;  
}  
header .login button {  
    width: 122px;  
    padding: 5px 40px;  
    font-size: 16px;  
    font-weight: 600;  
    color: var(--primary-color);  
}  
header .become-seller {  
    height: 100%;  
    display: flex;  
    align-items: center;  
    margin: 0 20px;  
    color: white;  
    font-size: 16px;  
    font-weight: 500;  
}  
  
header .more{  
    height: 100%;  
    display: flex;  
    align-items: center;  
    margin: 0 20px;  
    color: white;  
    font-size: 16px;  
    font-weight: 500;
```

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```
}

header .more svg {
    margin-left: 8px;
    rotate: -90deg;
}

header .cart {
    height: 100%;
    display: flex;
    align-items: center;
    margin: 0 20px;
    color: white;
}
header .cart svg {
    margin-right: 8px;
}

/* section 1 */
.section-1 {
    width: 100%;
    height: 112px;
    background-color: white;
    box-shadow: 0 1px 1px 0 rgb(0 0 0 / 16%);
}
.section-1-container{
    width: 1280px;
    margin: 0 auto;
    height: 100%;
    display: flex;
    align-items: center;
    justify-content: space-between;
}

.section-1-item{
    height: 100%;
    display: flex;
    flex-direction: column;
    align-items: center;
    justify-content: center;
    gap: 4px;
    font-size: 14px;
    font-weight: 500;
}
.section-1-item img {
    width: 64px;
    height: 64px;
}
```

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```
/* section 2 */
.section-2-container {
    margin-top: 16px;
    height: 280px;
    background-image: url('https://rukminim1.flixcart.com/fk-p-
flap/3376/560/image/0735712fe84c602d.jpg?q=50');
    background-size: cover;
    background-position: center;
    background-repeat: no-repeat;
}

/* section 3 */
.section-3-container {
    margin-top: 8px;
    height: 122px;
    background-image: url('https://rukminim1.flixcart.com/fk-p-
flap/2848/246/image/d56a3ed6d200038a.jpg?q=50');
    background-size: cover;
    background-position: center;
    background-repeat: no-repeat;
}

/* section 4 */
.section-4-container {
    height: 100%;
    margin-top: 8px;
    height: 362px;
    background-color: white;
    display: flex;
    justify-content: space-between;
    align-items: center;
}
.section-4-offers {
    width: 230px;
    height: 100%;
    background-image: url('https://rukminim1.flixcart.com/fk-p-
flap/278/278/image/1e483f8045ec13a8.jpg?q=90');
    background-position: bottom;
    background-repeat: no-repeat;
}
.section-4-offers-viewall{
    margin-top: 132px;
    width: 100%;
    font-size: 30px;
    display: flex;
    flex-direction: column;
    align-items: center;
}
.section-4-offers-viewall button {
```

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```
margin-top: 24px;
height: 40px;
background-color: var(--primary-color);
color: white;
box-shadow: 0 2px 4px 0 rgb(0 0 0 / 20%);
padding: 10px 20px;
font-size: 14px;
font-weight: 500;
border: none;
border-radius: 2px;
cursor: pointer;
}

.section-4-list {
    height: 100%;
    width: calc(100% - 230px);
    display: flex;
    overflow-x: auto;
}

.section-4-item{
    width: 232px;
    height: 100%;
    padding: 0px 15px;
    display: flex;
    flex-direction: column;
    align-items: center;
    justify-content: center;
}

.section-4-item img {
    max-width: 200px;
    max-height: 200px;
}

.section-4-item-head{
    margin-top: 16px;
    font-size: 14px;
    font-weight: 500;
}

.section-4-item-price {
    margin-top: 12px;
    font-size: 16px;
    color: #388e3c;
}

.section-4-item-explore{
    opacity: 0.6;
    margin-top: 12px;
    font-weight: 300;
    font-size: 12px;
}

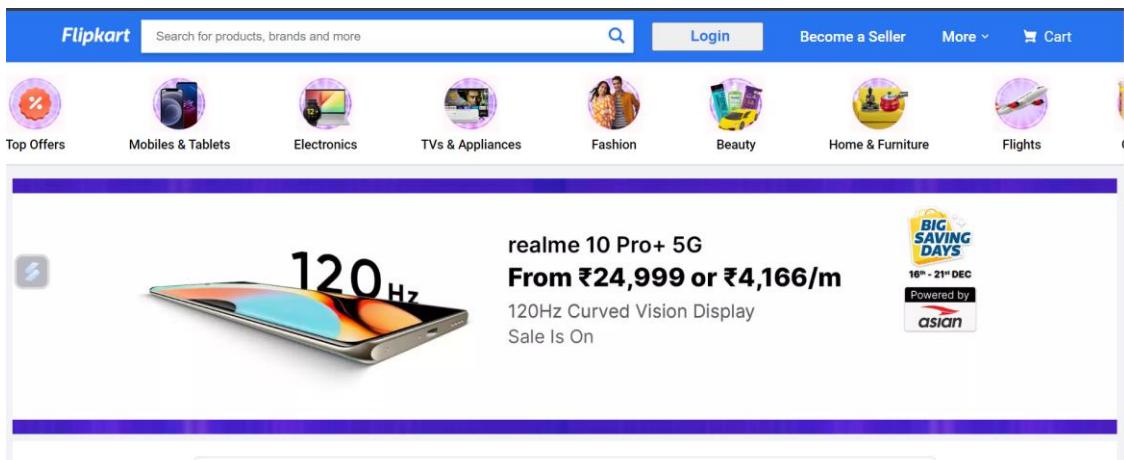
/* section-5 */
```

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```
.section-5 {
    margin-top: 8px ;
    display: flex;
    justify-content: space-between;
}
.section-5 img {
    width: 33%;
}

/* footer */
footer {
    margin-top: 26px;
    background-color: white;
    padding: 25px;
    text-align: center;
    font-size: 14px;
    color: #878787 ;
}
```



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10% Instant  
Discount\*

\*T&C Apply



### Top Offers



[View All](#)



[View All](#)

Soft Toy

Under ₹299

[Explore Now!](#)



[View All](#)

Soft Toy

Under ₹299

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Remote Control Toys

Min 50% Off

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Min 50% Off

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Flame

Electric



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SAVE MORE

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5% OFF

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10% OFF

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### Post Lab Objective with Ans (Min 5):

**Q) What is the Box model in CSS?**

**A)** The CSS Box Model is a fundamental concept in web design that describes the layout of elements on a web page. It represents each HTML element as a rectangular box, and this box comprises several components, including content, padding, border, and margin.

**Content:-** This is the actual content of the box, such as text, images, or other media. It is surrounded by the padding. **Padding:** The padding is the transparent space around the content inside the box. It provides space between the content and the border.

**Border:-** The border is a line that surrounds the padding (and content) of the box. It can have a specified width, style, and color.

**Margin:-** The margin is the transparent space outside the border. It provides space between the border of the box and the adjacent elements on the page.

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**Q) What are the advantages of using CSS?**

**A)**

### **1)Separation of Concerns :-**

CSS separates content and presentation, improving code organization.

### **2)Consistent Styling :-**

Ensures a uniform look across multiple pages for a better user experience.

### **3)Efficient Maintenance :-**

Centralized styling simplifies updates and reduces redundancy.

### **4)Responsive Design :-**

Key for creating websites that adapt to various screen sizes and devices.

### **5)Reuse of Styles :-**

Supports the reuse of styles, promoting code efficiency and modularity.

**Q )What are the limitations of CSS?**

**A)**

### **1) Browser Compatibility:-**

Inconsistencies across browsers can pose challenges in achieving a uniform look.

### **2)Limited Layout Control:-**

Complex layouts, like vertical centering, can be difficult to achieve with CSS alone.

### **3)Global Scope:-**

CSS operates globally, potentially leading to unintended style conflicts.

**Q) What are the different types of Selectors in CSS?**

**A)**

1)Universal Selector (\*)

2)Class Selector (.classname)

3)ID Selector (#id)