

Day 3 – [23rd June 2025]

TOPICS COVERED

CSS Flexbox Model: Flexbox is a CSS layout module that provides an efficient way to align and distribute space among items in a container.

Key Properties:

display: flex;

flex-direction: row | column;

justify-content: flex-start | center | space-between | space-around | space-evenly;

align-items: flex-start | center | stretch | flex-end;

flex-wrap: wrap | nowrap;

gap: defines spacing between flex items;

Use Case: Aligning cards, navbars, buttons, and content sections responsively

JavaScript Introduction: JavaScript is a scripting language used to create interactive behavior on web pages.

Variables in JavaScript: Variables store data values. They can be declared using:

var (function scoped)

let (block scoped)

const (block scoped and constant)

Example:

```
let name = "Navpreet";
```

```
const age = 20;
```

Data Types: String, Number, Boolean, Undefined, Null, Object, Array

Operators & Expressions:

Arithmetic: +, -, *, /, %

Comparison: ==, ===, !=, <, >, <=, >=

Logical: &&, ||, !

Assignment: =, +=, -=, *=, /=

TOOLS USED:

Visual Studio Code (VS Code)

Chrome Browser (Console for JavaScript)

TASK:

Implement a simple icon framework using HTML and CSS.

03_Day3_code.html

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
  <head>
```

```
    <meta charset="UTF-8">
```

```
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
    <title>Day 3 Task</title>
```

```
    <link rel="stylesheet" href="03_day3.css">
```

```
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.7.2/css/all.min.css">
```

```
  <style>
```

```
    body {
```

```
      background-color: #fdf0f0;
```

```
      font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
```

```
      margin: 0;
```

```
      padding: 20px;
```

```
    }
```

```
    h1 {
```

```
      color: #c0392b;
```

```
      text-align: center;
```

```
      font-size: xx-large;
```

```
      text-decoration: underline;
```

```
    }
```

```
    h1 i{
```

```
      color: #c0392b;
```

```

}
#box1{
  color: #7f8c8d;
  text-align: center;
  margin: 30px;
}
.icon_container{
  display: flex;
  justify-content: space-around;
  background-color: #ffe4e1;
  padding: 20px;
  border-radius: 12px;
  box-shadow: 0 4px 12px rgba(0, 0, 0, 0.1);
  flex-wrap: wrap;
  gap: 20px;
  height: 70px;
  margin: 30px;
}
.icon_box i {
  display: flex;
  flex-direction: column;
  text-align: center;
  align-items: center;
  font-size: 32px;
  color: #e74c3c;
}
.icon_box:hover {
  transform: scale(1.1);
  color: #843b62;
}
.icon_box:hover p{
  font-weight: bold;

```

```

    color: #843b62;
}
.contents{
    background-color: #ffe4e1;
    padding: 20px;
    border-radius: 12px;
    box-shadow: 0 4px 12px rgba(0, 0, 0, 0.1);
    margin-left: 25px;
    margin-right: 25px;
    gap: 20px;
    height: 170px;
    margin-top: 50px;
    background-color: #fff0f5;
    border-left: 4px solid #c0392b;
}
h2{
    width: 100%;
    color: black;
    text-align: left;
}
h2 i{
    color: rgb(42, 118, 240);
}
</style>
</head>
<body>
    <h1>
        <i class="fa-solid fa-thumbtack"></i>
        Task: Icon Framework
    </h1>
    <div id="box1">
        Built using HTML, CSS and Flexbox

```

```

</div>
<div class="icon_container">
  <div class="icon_box">
    <i class="fa-solid fa-house"></i>
    <p>Home</p>
  </div>
  <div class="icon_box" >
    <i class="fa-solid fa-user"></i>
    <p>Profile</p>
  </div>
  <div class="icon_box">
    <i class="fa-solid fa-message"></i>
    <p>Messages</p>
  </div>
  <div class="icon_box">
    <i class="fa-solid fa-gear"></i>
    <p>Settings</p>
  </div>
</div>
<div class="contents">
  <div class="info">
    <h2>
      <i class="fa-solid fa-book"></i>
      Contents Used
    </h2>
    <ul>
      <li><b>HTML Tags:</b> h1,p,li,div,etc.</li>
      <li><b>CSS Styling:</b> Font-Family, colors, box-shadow</li>
      <li><b>Flexbox:</b> to align items in a responsive layout</li>
      <li><b>Font Awesome:</b> for attractive UI icons</li>
    </ul>
  </div>
</div>

```

```
</div>  
</body>  
</html>
```

