Experiment-2

Name: Saniya Laxman Parab   Roll No: 52   CSE(DS)/SE2/B3

Aim: Create a dynamic To-Do List where users can add, mark as complete, and remove tasks using JavaScript & DOM.

Code :

Index.html

```html
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

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

  <title>Dynamic To-DO List</title>

  <link rel="stylesheet" href="style.css">

</head>

<body>

  <div class="conatiner">

    <h2>To-Do List</h2>

    <div class="input-box">

      <input type="text" id="taskInput" placeholder="Enter a task">

      <button onclick="addTask()">ADD</button>

    </div>

    <ul id="taskList"></ul>

  </div>


<script src="script.js"></script>
```

```
</body>

</html>
```

Style.css

```css
body{

    font-size: Arial,sans-serif;

    background: #f4f4f4;

    display: flex;

    justify-content: center;

    align-items: center;

    height: 100vh;

}

.todo-container

{

    background: white;

    padding: 20px;

    width: 300px;

    border-radius: 8px;

    box-shadow: 0 0 10px rgba(0,0,0,0.1);

}

.input-box

{

    display: flex;

    gap:5px;

}
```

```css
input
{
    flex: 1;
    padding: 8px;
}
button
{
    padding: 8px;
    background: #28a745;
    color: white;
    border: none;
    cursor: pointer;
}
button:hover
{
    background: #218838;
}
ul
{
    list-style:none ;
    padding: 0;
    margin-top:15px;
}
li
{
```

```css
    display: flex;

    justify-content: space-between;

    padding: 8px;

    background: #eee;

    margin-bottom:5px;

    cursor: pointer;

}

li.completed

{

    text-decoration: line-through;

    color: gray;

}

.delete

{

    background: red;

    color:white;

    border: none;

    padding: 3px 6px;

    cursor: pointer;

}
```

Script.js

```javascript
function addTask(){

    const taskInput =document.getElementById("taskInput");

    const taskText =taskInput.value.trim();
```

```javascript
if(taskText==="")

{

    alert("Please enter a task");

}

const li=document.createElement("li");

li.textContent=taskText;


li.addEventListener("click",function()

{

    li.classList.toggle("completed");

});


const deleteBtn=document.createElement("button");

deleteBtn.textContent="X";

deleteBtn.className="delete";


deleteBtn.addEventListener("click",function(e)

{

    e.stopPropagation();

    li.remove();

});


li.appendChild(deleteBtn);
```

document.getElementById("taskList").appendChild(li);

taskInput.value="";
}

Output