

## Source code:-

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8" />

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

  <title>To-Do List App</title>

  <style>

    body{

      font-family: Arial, sans-serif;

      background: #f2f2f2;

      padding: 20px;

    }


    .container {

      max-width: 500px;

      background: white;

      margin: auto;

      padding: 20px;

      border-radius: 10px;

      box-shadow: 0 5px 10px rgba(0,0,0,0.1);

    }


    h2{

      text-align: center;

      margin-bottom: 20px;

    }


    input[type="text"]{

      width: 70%;

      padding: 10px;
```

```
border: 1px solid #ccc;
border-radius: 5px;
}
```

```
button {
padding: 10px 15px;
margin-left: 10px;
border: none;
border-radius: 5px;
cursor: pointer;
}
```

```
.add-btn {
background-color: #28a745;
color: white;
}
```

```
.filters button {
background-color: #007bff;
color: white;
margin: 5px 2px;
}
```

```
ul {
list-style: none;
padding: 0;
margin-top: 20px;
}
```

```
li {
background: #f9f9f9;
margin-bottom: 10px;
```

```
padding: 10px;
display: flex;
justify-content: space-between;
border-radius: 5px;
}
```

```
.completed {
text-decoration: line-through;
color: gray;
}
```

```
.delete-btn {
background-color: #dc3545;
color: white;
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div class="container">
```

```
<h2> 📝 To-Do List</h2>
```

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

```
<button class="add-btn" onclick="addTask()">Add</button>
```

```
<div class="filters">
```

```
<button onclick="filterTasks('all')">All</button>
```

```
<button onclick="filterTasks('completed')">Completed</button>
```

```
<button onclick="filterTasks('pending')">Pending</button>
```

```
</div>
```

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

```
</div>
```

```
<script>

let tasks = JSON.parse(localStorage.getItem("tasks")) || [];


function saveTasks() {
  localStorage.setItem("tasks", JSON.stringify(tasks));
}


function addTask() {
  const input = document.getElementById("taskInput");
  const text = input.value.trim();
  if (text) {
    tasks.push({ text, completed: false });
    input.value = "";
    saveTasks();
    renderTasks();
  }
}


function toggleTask(index) {
  tasks[index].completed = !tasks[index].completed;
  saveTasks();
  renderTasks();
}


function deleteTask(index) {
  tasks.splice(index, 1);
  saveTasks();
  renderTasks();
}


function filterTasks(type) {
  renderTasks(type);
}
```

```

}

function renderTasks(filter = 'all') {
  const list = document.getElementById("taskList");
  list.innerHTML = "";
  tasks.forEach((task, index) => {
    if (
      (filter === "completed" && !task.completed) ||
      (filter === "pending" && task.completed)
    ) return;

    const li = document.createElement("li");
    li.innerHTML = `
      <span onclick="toggleTask(${index})" class="${task.completed ? 'completed' : ''}">
        ${task.text}
      </span>
      <button class="delete-btn" onclick="deleteTask(${index})">Delete</button>
    `;
    list.appendChild(li);
  });
}

renderTasks();
</script>
</body>
</html>

```

**Output:-**