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<!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>TodoList</title>
</head>
<body>
  <form name="todoform">
    <table>
      <tbody>
        <tr>
          <td><label for="todo">Todo:</label></td>
          <td><input type="text" id="todo" name="todo"></td>
        </tr>
        <tr></tr>
        <tr><input type="submit" value="Add"></tr>
      </tbody>
    </table>
  </form>
  <h1>TodoList</h1>

  <table>
    <thead>
      <tr>
        <td>Filter:</td>
        <td>
          <input type="text" name="search" id="search">
        </td>
      </tr>
    </thead>
    <tbody id="Todolist">
      <tr>
        <td><input type="button" value="Done"></td>
      </tr>
    </tbody>
  </table>

  <script>
    const TodoList = [
      "Belajar Javascript Dasar",
      "Belajar JavaScript Objel oriented Programming",
      "Belajar JavaScipr Document Objek Model",
    ];

```

```

function clearTodolistTable() {
    const TodoListTable = document.getElementById("todolist")
    while (TodoListTable.firstChild) {
        TodoListTable.removeChild(TodoListTable.firstChild);
    }
}

function removeChild(index) {
    TodoList.splice(index, 1);
    renderTodolist();
}

function AddTodoToTable(index, todo) {
    const TodoListTable = document.getElementById("todolist");
    const todoRow = document.createElement("tr");
    TodoListTable.append(todoRow);

    const todoItem = document.createElement("td");
    todoItem.textContent = todo;

    const todoButtonItem = document.createElement("td");
    const todoButtonDone = document.createElement("input");
    todoButtonDone.type = "button";
    todoButtonDone.value = "done";
    todoButtonDone.onclick = function () {
        removeTodoList(index);
    };

    todoButtonItem.append(todoButtonDone);
    todoRow.append(todoButtonItem, todoItem);
}

function renderTodolist() {
    clearTodolistTable();
    for (let i = 0; i < TodoList.length; i++) {
        const searchField = document.getElementById("search");
        if
(todolist[i].toLowerCase().includes(searchField.value.trim().toLowerCase())) {
            AddTodoToTable(i, TodoList[i]);
        }
    }
}

```

```
document.forms['todoform'].onsubmit = function event() {
    event.preventDefault();
    const todo = document.forms['todoForm']['todo'].value
    todolist.push(todo);
    document.forms['todoForm'].reset();
    renderTodolist();
}

const searchField = document.getElementById("search");
searchField.onkeydown = renderTodolist;
searchField.onkeyup = renderTodolist;

    renderTodolist();
</script>
</body>
</html>
```