

Subject code & Name	:	<b>CSE304 &amp; Full Stack Development</b>	Practical	:	<b>6</b>	Academic Year	:	<b>2024-25</b>
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## **Task - 6**

### **Aim**

Build a To-do List using React Hooks involves creating a user interface that allows users to add, remove, and delete tasks. This can be achieved using React's state management capabilities through hooks like useState and event handling for managing tasks.

### **Code**

#### **Practical\_6.js**

```
import React, { useState } from 'react';
const TodoList = () => {
  const [tasks, setTasks] = useState([]);
  const [newTask, setNewTask] = useState("");
  const addTask = () => {
    if (newTask.trim() !== "") {
      setTasks([...tasks, newTask]);
      setNewTask("");
    }
  };
  const deleteTask = (index) => {
    const newTasks = tasks.filter((_, i) => i !== index);
    setTasks(newTasks);
  };
  const editTask = (index, newTaskValue) => {
    const newTasks = tasks.map((task, i) => (i === index ? newTaskValue : task));
    setTasks(newTasks);
  };
  return (
    <div className="todo-list">
      <h1>Get Things Done!</h1>
      <div className="input-container">
        <input
          type="text"
          value={newTask}
          onChange={(e) => setNewTask(e.target.value)}
          placeholder="What is the task today?"
        />
        <button onClick={addTask}>Add Task</button>
      </div>
      <div className="tasks-container">
        {tasks.map((task, index) => (
          <div key={index} className="task">
```

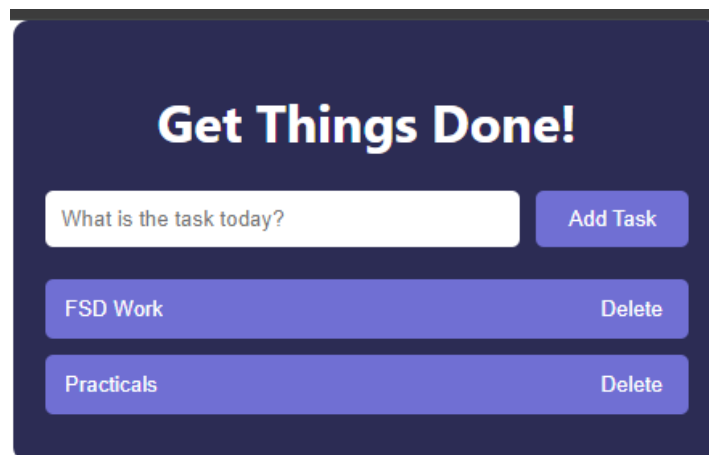
```
        <input
          type="text"
          value={task}
          onChange={(e) => editTask(index, e.target.value)}
        />
        <button onClick={() => deleteTask(index)}>Delete</button>
      </div>
    )))
  </div>
</div>
);
};
export default TodoList;
```

**App.js**

```
import './App.css';
import TodoList from './components/Practical_6';

function App() {
  return (
    <div className="App">
      <TodoList/>
    </div>
  );
}

export default App;
```

**Output****Signature :**