

Subject code & Name	:	CSE304 & Full Stack Development	Practical	:	6	Academic Year	:	2024-25
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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">
```

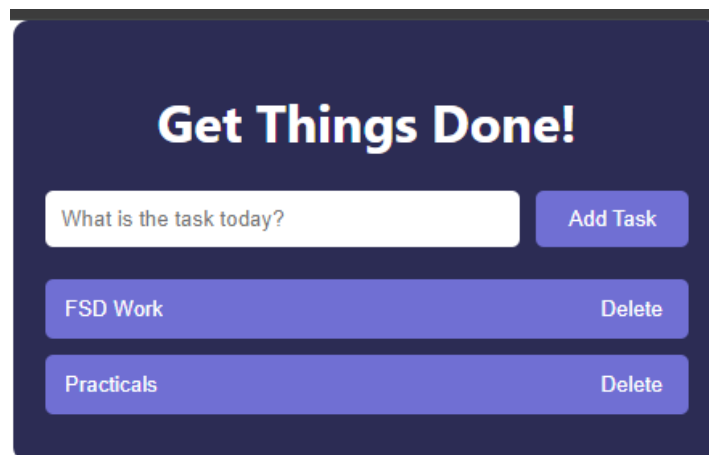
```
        <input
          type="text"
          value={task}
          onChange={(e) => editTask(index, e.target.value)}
        />
        <button onClick={() => deleteTask(index)}>Delete</button>
      </div>
    )))
  </div>
</div>
);
};
export default TodoList;
```

App.js

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

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

export default App;
```

Output**Signature :**