**4.** ToDo with React JS

**Aim:** To Create a ToDo app Component using React JS.

**Alogrithm:**

**Step1:** Start the process and Set up a React project using npx create-react-app.

**Step2:** In the src folder write the code for index.js

**Step3:** Create the components and write the code for the ToDO app.

**Step4:** Write the CSS code for the component and save the file with the extension .css

**Step5:** Run the app with the command npm start

**Step6:** Stop the process

**APP.JS**

import React, { useState } from 'react';

import './App.css';

function App() {

const [tasks, setTasks] = useState([]);

const [newTask, setNewTask] = useState('');

const addTask = () => {

if (newTask.trim() !== '') {

setTasks([...tasks, newTask]);

setNewTask('');

}

};

const removeTask = (index) => {

const newTasks = tasks.filter((\_, i) => i !== index);

setTasks(newTasks);

};

return (

<div className="App">

<h1>ToDo App</h1>

<div className="task-input">

<input

type="text"

placeholder="Enter a new task"

value={newTask}

onChange={(e) => setNewTask(e.target.value)}

/>

<button onClick={addTask}>Add</button>

</div>

<ul className="task-list">

{tasks.map((task, index) => (

<li key={index}>

{task}

<button onClick={() => removeTask(index)}>Remove</button>

</li>

))}

</ul>

</div>

);

}

export default App;

App.CSS

.App {

text-align: center;

margin-top: 20px;

}

.task-input input {

padding: 5px;

margin-right: 10px;

}

.task-list {

list-style: none;

padding: 0;

}

.task-list li {

display: flex;

align-items: center;

justify-content: space-between;

margin: 5px 0;

padding: 5px;

border: 1px solid #ccc;

}

.task-list button {

background: red;

color: white;

border: none;

cursor: pointer;

}