**2.** Program to create a voting application using React JS

**Aim:** To Create a Voting Application 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 voting application.

**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';

const options = [

{ id: 1, text: 'Option 1', votes: 0 },

{ id: 2, text: 'Option 2', votes: 0 },

{ id: 3, text: 'Option 3', votes: 0 },

];

function App() {

const [optionsData, setOptionsData] = useState(options);

const handleVote = (optionId) => {

const updatedOptions = optionsData.map((option) =>

option.id === optionId ? { ...option, votes: option.votes + 1 } : option

);

setOptionsData(updatedOptions);

};

return (

<div className="App">

<h1>Voting Application</h1>

<div className="options">

{optionsData.map((option) => (

<div key={option.id} className="option">

<p>{option.text}</p>

<button onClick={() => handleVote(option.id)}>Vote</button>

<p>Votes: {option.votes}</p>

</div>

))}

</div>

</div>

);

}

export default App;

**CSS**

.App {

text-align: center;

}

.options {

display: flex;

justify-content: space-between;

margin-top: 20px;

}

.option {

border: 1px solid #ccc;

padding: 10px;

width: 150px;

}

button {

margin-top: 10px;

}