7. Create a Stop Watch using React JS

**Aim:** To Create a Stop Watch app 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 stop watch app.

**Step4:** Write the required CSS code for the component.

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

**Step6:** Stop the process

**App.js**

import React from "react";

import Stopwatch from "./Stopwatch";

const App = () => {

return (

<div>

<Stopwatch />

</div>

);

};

export default App;

**Stopwatch.js**

import React, { useState, useEffect } from "react";

import Timer from "react-timer";

const Stopwatch = () => {

const [time, setTime] = useState(0);

useEffect(() => {

const intervalId = setInterval(() => {

setTime(time + 0.1);

}, 100);

return () => clearInterval(intervalId);

}, []);

const start = () => {

setTime(0);

};

const stop = () => {

clearTimeout(intervalId);

};

const reset = () => {

setTime(0);

};

return (

<div>

<h1>Stopwatch</h1>

<div>

<Timer value={time} />

</div>

<div>

<button onClick={start}>Start</button>

<button onClick={stop}>Stop</button>

<button onClick={reset}>Reset</button>

</div>

</div>

);

};

export default Stopwatch;