**AIM: Create an application for student result management using React JS.**

**CODE:**

App.js

import React, { useState } from 'react';

import StudentForm from './components/StudentForm';

import StudentList from './components/StudentList';

import './App.css';

const App = () => {

  const [students, setStudents] = useState([]);

  const addStudent = (student) => {

    setStudents([...students, student]);};

  const calculateAverage = () => {

    if (students.length === 0) return 0;

    const total = students.reduce((sum, student) => sum + student.marks, 0);

    return (total / students.length).toFixed(2);

  };

import React, { useState } from 'react';

import './StudentForm.css';

const StudentForm = ({ addStudent }) => {

  const [name, setName] = useState('');

  const [marks, setMarks] = useState('');

  const [error, setError] = useState('');

  const handleSubmit = (e) => {

    e.preventDefault();

    if (!name) {

      setError('Please enter a student name.');

      return;}

    if (!marks || marks < 0 || marks > 100) {

      setError('Please enter valid marks (0-100).');

      return;}

    setError('');

    addStudent({ name, marks: parseInt(marks) });

    setName('');

    setMarks('');

  };

  return (

    <form onSubmit={handleSubmit} className="student-form">

      <div className="form-group">

        <label>Student Name:</label>

        <input

          type="text"

          placeholder="Enter student name"

          value={name}

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

      <div className="form-group">

        <label>Marks:</label>

        <input

          type="number"

          placeholder="Enter marks (0-100)"

          value={marks}

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

        />

      </div>

      {error && <p className="error">{error}</p>}

      <button type="submit">Add Student</button>

    </form>

  );

};

export default StudentForm;

<tbody>

        {students.map((student, index) => (

          <tr key={index}>

            <td>{student.name}</td>

            <td>{student.marks}</td>

**OUTPUT:**



