**React**

**3. ReactJS-HOL**

**App.js**

import React, { useState } from 'react';

import './App.css';

function App() {

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

  const [school, setSchool] = useState('');

  const [total, setTotal] = useState('');

  const [max, setMax] = useState('');

  const [show, setShow] = useState(false);

  const handleShow = () => {

    if (name && school && total && max) {

      setShow(true);

    } else {

      alert("Please fill all fields!");

    }

  };

  const percentage = ((total / max) \* 100).toFixed(2);

  return (

    <div className="container">

      <h1 className="title">Student Details:</h1>

      {!show ? (

        <div className="form">

          <input type="text" placeholder="Enter Name" value={name} onChange={(e) => setName(e.target.value)} />

          <input type="text" placeholder="Enter School" value={school} onChange={(e) => setSchool(e.target.value)} />

          <input type="number" placeholder="Enter Total Marks" value={total} onChange={(e) => setTotal(e.target.value)} />

          <input type="number" placeholder="Enter Maximum Marks" value={max} onChange={(e) => setMax(e.target.value)} />

          <button onClick={handleShow}>Show Score</button>

        </div>

      ) : (

        <div className="result">

          <p><strong>Name:</strong> <span className="blue">{name}</span></p>

          <p><strong>School:</strong> <span className="red">{school}</span></p>

          <p><strong>Total:</strong> <span className="purple">{total} Marks</span></p>

          <p><strong>Score:</strong> <span className="green">{percentage}%</span></p>

        </div>

      )}

    </div>

  );

}

export default App;

**src🡪components**

**CalculatateScore.js**

import React, { useState } from 'react';

import '../Stylesheets/mystyle.css';

function CalculateScore() {

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

  const [school, setSchool] = useState('');

  const [total, setTotal] = useState('');

  const [goal, setGoal] = useState('');

  const [score, setScore] = useState(null);

  const handleSubmit = (e) => {

    e.preventDefault();

    const percentage = ((parseFloat(total) / parseFloat(goal)) \* 100).toFixed(2);

    setScore(percentage);

  };

  return (

    <div className="score-container">

      <h2 className="title">Student Details:</h2>

      <form onSubmit={handleSubmit}>

        <input

          type="text"

          placeholder="Enter Name"

          value={name}

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

          required

        />

        <input

          type="text"

          placeholder="Enter School"

          value={school}

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

          required

        />

        <input

          type="number"

          placeholder="Enter Total Marks"

          value={total}

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

          required

        />

        <input

          type="number"

          placeholder="Enter Maximum Marks"

          value={goal}

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

          required

        />

        <button type="submit">Show Score</button>

      </form>

      {score && (

        <div className="output">

          <p><strong className="label">Name:</strong> <span className="blue">{name}</span></p>

          <p><strong className="label">School:</strong> <span className="red">{school}</span></p>

          <p><strong className="label">Total:</strong> {total}Marks</p>

          <p><strong className="label">Score:</strong><span className="green">{score}%</span></p>

        </div>

      )}

    </div>

  );

}

export default CalculateScore;

**src🡪StyleSheets**

**mystyle.css**

.score-container {

  text-align: center;

  margin-top: 50px;

}

.title {

  color: brown;

  font-size: 30px;

  font-weight: bold;

}

.label {

  font-weight: bold;

}

.blue {

  color: blue;

}

.red {

  color: crimson;

}

.green {

  color: green;

}

form {

  margin-bottom: 20px;

}

input {

  margin: 5px;

  padding: 10px;

  width: 250px;

  font-size: 14px;

}

button {

  background-color: teal;

  color: white;

  border: none;

  padding: 10px 20px;

  cursor: pointer;

  border-radius: 5px;

}

**OUTPUT:**

