

# Student and Marks

## Day1\_React\_CaseStudy

src\components\StudentMarks.js

```
import React from 'react'
import './Student.css'

const StudentMarks = () => {
  const students = [
    { id: 1, name: "Alice", marks1: 85, marks2: 90 },
    { id: 2, name: "Bob", marks1: 70, marks2: 65 },
    { id: 3, name: "Charlie", marks1: 50, marks2: 55 },
    { id: 4, name: "David", marks1: 95, marks2: 92 }
  ]

  function gradeIs(mark1, mark2) {
    let marks = mark1 + mark2;
    if (marks >= 190) return "A+"
    else if (marks >= 170 && marks < 190) return 'A'
    else if (marks >= 150 && marks < 170) return 'B'
    else if (marks >= 120 && marks < 150) return 'C'
    else if (marks >= 90 && marks < 120) return 'D'
    else return "Failed"
  }

  return (
    <div className='container'>
      <h2 className='title'>Student and Marks</h2>
      <table>
        <thead>
          <tr>
            <th>Student ID</th>
            <th>Student Name</th>
            <th>Mark 1</th>
            <th>Mark 2</th>
            <th>Total Score</th>
            <th>Grade</th>
          </tr>
        </thead>
      </table>
    </div>
  )
}
```

```

        <tbody>
          {students.map((student) => (
            <tr key={student.id}>
              <td>{student.id}</td>
              <td>{student.name}</td>
              <td>{student.marks1}</td>
              <td>{student.marks2}</td>
              <td>{student.marks1 + student.marks2}</td>
              <td>{gradeIs(student.marks1,
student.marks2)}</td>
            </tr>
          ))}
        </tbody>
      </table>
    </div>
  )
}

export default StudentMarks

```

## \\src\\components\\Student.css

```

.container{
  margin: 20px;
  font-family: Arial, Helvetica, sans-serif;
}

.title{
  text-align: center;
  color: #333;
  margin-bottom: 15px;
}

table{
  width: 100%;
  border-collapse: collapse;
  box-shadow: 0 2px 5px rgba(0,0,0,0.4);
}

table th, table td{

```

```
border: 1px solid #ddd;
padding: 10px;
text-align: center;
}

table th{
  background-color: #f2f2f2;
  font-weight: bold;
}

table tr:nth-child(even){
  background-color: #f9f9f9;
}

table tr:hover{
  background-color: #f0f0f0;
}
```

## **\src\App.js**

```
import './App.css';
import Header from './components/Header';
import {Footer} from './components/Footer';
import StudentMarks from './components/StudentMarks';

function App() {
  return (
    <div>
      <Header />
      <StudentMarks />
      <Footer />
    </div>
  );
}

export default App;
```