

//QUESTION 1

```
function generateStudentMarkSheets(students, Details) {
  const studentsMarkSheets = [];
  students.forEach((student) => {
    const details = Details.find((detail) => detail.Roll === student.Roll);
    const { name, Roll } = student;
    if (details) {
      const { subjects } = details;
      const total = Object.values(subjects).reduce((acc, mark) => acc + mark,
0);
      const status = total >= 200 ? "pass" : "fail";
      const markSheet = { name, Roll, ...subjects, total, status };
      studentsMarkSheets.push(markSheet);
    }
  });
  return studentsMarkSheets;
}
// Example usage:
const students = [
  { name: "Dhishan Debnath", Roll: 1 },
  { name: "Animesh Gupta", Roll: 2 },
  { name: "Tapas Sen", Roll: 3 },
  { name: "Misti Dutta", Roll: 4 },
  { name: "Chini Misra", Roll: 5 }
];
const Details = [
  { Roll: 5, subjects: { math: 35, english: 56, chemistry: 76, computer: 68 } },
  { Roll: 3, subjects: { math: 33, chemistry: 12, computer: 50, english: 35 } },
  { Roll: 1, subjects: { math: 55, english: 75, chemistry: 76, computer: 94 } },
  { Roll: 4, subjects: { english: 12, chemistry: 85, computer: 68, math: 45 } },
  { Roll: 2, subjects: { math: 55, english: 56, computer: 48, chemistry: 12 } }
];
const studentsMarkSheets = generateStudentMarkSheets(students, Details);
console.log(studentsMarkSheets);
```