

```
public class ReportCard
{
    int serial_no;
    String name, grade;

    int totalMarks = 0, failed = 0;
    double percentage;

    int[] marks = new int[6];

    public void setStudentDetails(int slno, String stname)
    {
        serial_no = slno;
        name = stname;
    }

    public void displayStudentResult()
    {
        int k = 0;
        String promotion, result;
        if(failed == 0)
            promotion = "Promoted";
        else if(failed == 1)
            promotion = "Condition";
        else
            promotion = "Not Promoted";
        result = failed == 0 ? "Pass" : "Fail";

        System.out.printf(
            "%-5s %-10s %-3d %-5d %-4d %-3d %-4d %-3d %-5d %-5.2f%% %-5s %-6s %s\n",
            serial_no, name, marks[k++], marks[k++], marks[k++], marks[k++], marks[k++],
            marks[k++], totalMarks, percentage, grade, result, promotion
        );
    }

    public void calculateTotal()
    {
        for(int i = 0; i < marks.length; i++)
        {
            if(calculateGrading(marks[i]).equals("Fail"))
                failed++;
            totalMarks += marks[i];
        }
        percentage = totalMarks / 6.0f;
        grade = calculateGrading(percentage);
    }

    public String calculateGrading(double num)
    {

```

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    if(num > 90.0)
        return "A+";
    else if(num >= 80.0 && num < 90.0)
        return "A";
    else if(num >= 70.0 && num < 80.0)
        return "B+";
    else if(num >= 60.0 && num < 70.0)
        return "B";
    else if(num >= 50.0 && num < 60.0)
        return "C";
    else if(num >= 40.0 && num < 50.0)
        return "D";
    else
        return "Fail";
}
}
```