

# Input:

```
// Interface defining a contract for classes that can calculate marks
```

```
interface MarkCalculator {  
    int calculateMarks();  
}
```

```
class Student {  
    private String name;  
    public Student(String name) {  
        this.name = name;  
    }  
    public String getName() {  
        return name;  
    }  
}
```

```
class ScienceStudent extends Student implements MarkCalculator {  
    private int physicsMarks;  
    private int chemistryMarks;  
    private int mathsMarks;  
    public ScienceStudent(String name, int physicsMarks, int chemistryMarks, int mathsMarks) {  
        super(name);  
        this.physicsMarks = physicsMarks;  
        this.chemistryMarks = chemistryMarks;  
        this.mathsMarks = mathsMarks;  
    }  
}
```

```
public int calculateMarks() {  
    return physicsMarks + chemistryMarks + mathsMarks;  
}  
}  
  
class StudentResult {  
    public static void main(String[] args) {  
        // Create a science student and calculate their marks  
        ScienceStudent scienceStudent = new ScienceStudent("John Doe", 75, 80, 90);  
        int scienceMarks = scienceStudent.calculateMarks();  
        System.out.println("Name: " + scienceStudent.getName());  
        System.out.println("Science Marks: " + scienceMarks);  
    }  
}
```

Output

Clear

```
java -cp /tmp/t20SwJo1qk StudentResult  
Name: John DoeScience Marks: 245
```