

## Program No. 2

Write a program to create student class with fields. The total of the 3 subjects must be calculated only when the student passes in all 3 subjects, otherwise declare total is 0. Using constructor create an array of 'n' students.

```
import java.util.*;
class Student {
    int regno, i, total = 0;
    int mark[] = new int[3];
    String name;
    Student(int reg, String nam, int m[]) {
        this.regno = reg;
        this.name = nam;
        for (i = 0; i < 3; i++) {
            this.mark[i] = m[i];
            if (m[i] < 35) {
                this.total = 0;
                break;
            } else
                this.total += m[i];
        }
    }
    public void display() {
        System.out.println("Rengno: " + this.regno + "\tName: " +
this.name + "\tTotal: " + this.total + "\n");
    }
}
public class StudentApplication {
    public static void main(String args[]) {
        int score[] = new int[3];
        Scanner ob = new Scanner(System.in);
        try {
            System.out.print("Enter no. of students: ");
            int n = ob.nextInt();
            Student s[] = new Student[n];
            for (int i = 0; i < n; i++) {
                System.out.println("Enter details of student" + (i + 1) +
":");
                System.out.print("Enter register number: ");
                int no = ob.nextInt();
                System.out.print("Enter name: ");
                String name = ob.next();
                System.out.println("Enter marks in 3 subjects:");
                for (int j = 0; j < 3; j++) {
                    score[j] = ob.nextInt();
                }
                s[i] = new Student(no, name, score);
            }
        }
    }
}
```

```

        System.out.println("\nStudent Details:");
        for (int i = 0; i < n; i++) {
            System.out.println("Student" + (i + 1) + ":");
            s[i].display();
        }
    } catch (Exception e) {
        System.out.println("Some error occurred");
    }
    ob.close();
}
}

```

## Output:

```
D:\4th sem\Java\lab>javac StudentApplication.java
```

```
D:\4th sem\Java\lab>java StudentApplication
```

```
Enter no. of students: 3
```

```
Enter details of student1:
```

```
Enter register number: 101
```

```
Enter name: Arya
```

```
Enter marks in 3 subjects:
```

```
35
```

```
45
```

```
56
```

```
Enter details of student2:
```

```
Enter register number: 102
```

```
Enter name: Asha
```

```
Enter marks in 3 subjects:
```

```
45
```

```
37
```

```
50
```

```
Enter details of student3:
```

```
Enter register number: 103
```

```
Enter name: Arjun
```

```
Enter marks in 3 subjects:
```

```
56
```

```
67
```

```
75
```

```
Student Details:
```

```
Student1:
```

```
Rengno: 101      Name: Arya      Total: 136
```

```
Student2:
```

```
Rengno: 102      Name: Asha      Total: 132
```

```
Student3:
```

```
Rengno: 103      Name: Arjun      Total: 198
```