

## OOJ LAB

### Program 2

```
import java.util.*;  
class student  
{  
    private String USN;  
    private String name;  
    private int n;  
    private double sgpa = 0;  
    private int totalCredits = 0;  
    private int credits[];  
    private double marks[];  
    Scanner in = new Scanner(System.in);  
    void accept()  
    {  
        System.out.println("Enter USN");  
        USN = in.nextLine();  
        System.out.println("Enter name");  
        name = in.nextLine();  
        System.out.println("Enter no. of sub");  
        n = in.nextInt();  
        credits = new int[n];  
        marks = new double[n];  
        System.out.println("Enter Sub details");  
        for(int i = 0; i < n; i++)  
        {  
            System.out.println("Enter credit of sub" + (i+1));  
            credits[i] = in.nextInt();  
            System.out.println("Enter mark of sub" + (i+1));  
            mark[i] = in.nextInt();  
            calculate(credits[i], marks[i], i);  
        }  
    }  
}
```



```

void calculate (int credit, double mark,
               int j)
{

```

```

    total credits = total credits + credit;
    if (mark >= 90 && mark <= 100)
        sgpa = sgpa + (10 * credit);
    else if (mark >= 80 && mark <= 89)
        sgpa = sgpa + (9 * credit);
    else if (mark >= 70 && mark <= 79)
        sgpa = sgpa + (8 * credit);
    else if (mark >= 60 && mark <= 69)
        sgpa = sgpa + (7 * credit);
    else if (mark >= 50 && mark <= 59)
        sgpa = sgpa + (6 * credit);
    else if (mark >= 40 && mark <= 49)
        sgpa = sgpa + (5 * credit);
    else

```

```

        System.out.println("Failed");
    }
}

```

```

void Display ()
{

```

```

    System.out.println("Details of Student");
    System.out.println("USN: " + USN);
    System.out.println("name: " + name);
    System.out.println("SGPA: " + (SGPA / Total Credits));
}
}

```

```

class Main {

```

```

    public static void main (String args []) {
        Student s1 = new Student();
        s1.accept();
        s1.Display();
    }
}

```