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1BM19CS189

16/10/20 Lab2 program

```
import java.util.Scanner;

class Student
{
    String USN;
    String name;
    int n;
    double SGPA = 0;
    int totalCredits = 0;
    Scanner ss = new Scanner (System.in);

    void Details()
    {
    System.out.println ("Enter USN of the
                         student");
    USN = ss.nextLine ();
    System.out.println ("Enter Name of the
                         student");
    name = ss.nextLine ();
    System.out.println ("Enter no of subjects");
    n = ss.nextInt ();
    int credits [] = new int [n];
    double marks [] = new double [n];
    System.out.println ("Enter details of the
                         subjects :");
```

```
for (int i=0; i<n; i++)
{
 System.out.println("Enter credits alloted
  to the subject" + (i+1));
  credits[i] = ss.nextInt();
  System.out.println("Enter marks in
 the subject" + (i+1));
  marks[i] = ss.nextInt();
  Calculate(credits[i], marks[i], i);
}
}

void Calculate(int credit, double mark,
                    int j)
{
 totalCredits = totalCredits + 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 in subject"+(j+1));
}
void Display()
{
  System.out.println("Details of the Student");
  System.out.println("Name:"+name);
  System.out.println("USN:"+USN);
  System.out.println("SGPA of student"
  +(SGPA/total credits));
}
}

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

— x —