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Program to calculate SGPA

```
import java.util.Scanner;
class Student {
    int numberOfCourses;
    String usn, name;
    int creditsArray[];
    int marksArray[];
    int gradesArray[];
    double SGPA;
    Student() { SGPA = 0.0D; }
    void input()
    {
        Scanner in = new
                     Scanner(System.in);
        System.out.println("\n Enter your
        name : ");
        name = in.next();
        System.out.print("Enter number of
        courses taken : ");
        numberOfCourses = in.nextInt();
```

```
System.out.print("Enter your usn : ");
usn = in.next();
marksArray = new int[numberOfCourses];
creditsArray = new int[numberOfCourses];
gradesArray = new int[numberOfCourses];

int i = 0;
System.out.println();
for(i=0; i< numberOfCourses ;i++)
{
    System.out.print(" Enter credits for
    course " + (i+1) + " : ");
    creditsArray[i] = in.nextInt();
    System.out.print(" Enter marks obtained
    in " + (i+1) + " : ");
    marksArray[i] = in.nextInt();
}
in.close();
}
void computeGradesArray()
{
int i = 0;
for(i=0; i< numberOfCourses ;i++)
{
    if(marksArray[i] == 10)
    {
        gradesArray[i] = 10;
        continue;
    }
```

```
if (marksArray[i] >= 50)
{
    gradesArray[i] = (marksArray[i]/10)+1;
    continue;
}
if (marksArray[i] >= 35)
{
    gradesArray[i] = 4;
    continue;
}
gradesArray[i] = 0;
}
}
void computeSGPA()
{
    int i = 0;
    int netCredits = 0;
    for(i = 0; i < numberOfCourses; i++)
    {
      SGPA = SGPA + creditsArray[i] * gradesArray[i];
      netCredits = netCredits + creditsArray[i];
    }
      SGPA = SGPA/netCredits;
}
```