

```
4 import java.util.*;
class Student
{
    String vno;
    String name;
    Private int n, credits [], marks [], gpa [];
    double sum, sgra;
```

Student ()

```
{  
    name = "xyz";  
    vno = "0";  
    y
```

void accept ()

```
{  
    Scanner sl = new Scanner (System.in);  
    System.out.println ("Enter vno and name");  
    vno = sl.next ();  
    name = sl.next ();  
    System.out.println ("Enter number of subjects");  
    n = sl.nextInt ();  
    credits = new int [n+1];  
    marks = new int [n+1];  
    System.out.println ("Enter the credits and marks in each  
    subject");  
    for (int i=1; i<=n; i++)  
    {  
        System.out.println ("Enter the credits and marks in each  
        subject " + i);  
        credits [i] = sl.nextInt ();  
        marks [i] = sl.nextInt ();  
    }
```

4

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Date _____
void calculate()
{
    gp = new int [n+1];
    int a=0;
    for (int i=1; i<=n; i++)
    {
        if (marks[i] >= 90)
            gp[i] = 10;
        if (marks[i] >= 80 && marks[i] < 90)
            gp[i] = 9;
        if (marks[i] >= 70 && marks[i] < 80)
            gp[i] = 8;
        if (marks[i] >= 60 && marks[i] < 70)
            gp[i] = 7;
        if (marks[i] >= 50 && marks[i] < 60)
            gp[i] = 6;
        if (marks[i] < 40)
            gp[i] = 0;
        sum = (double)(credits[i] * gp[i]) + sum;
        a = a + credits[i];
    }
    sgpa = sum/a;
}

void display()
{
    System.out.println("User: " + user);
    System.out.println("Name: " + name);
    System.out.println("Marks: " + marks[i]);
    System.out.println("Grade Points: " + gp[i]);
}

class Studentmain
{
    public static void main (String [] args)
}

```

```
{  
Student sc = new Student();  
sc.accept();  
sc.calculate();  
sc.display();  
y  
y
```