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import java.util.*;
class student
{
    private String USN;
    " " " name;
    " " int n;
    " " double SGPA = 0;
    " " int total credits = 0;
Scanner ss = new Scanner(System.in);
Void details()
{
    System.out.println("Enter USN");
    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 allotted to the subject");
        credits[i] = ss.nextInt();
        System.out.println("Enter marks" +(i+1));
        marks[i] = ss.nextInt();
        calculate(credits[i],marks[i],i);
    }
}

```

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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
        System.out.println (" Failed in subject " +(j+1));
}

Void Display ()
{
    System.out.println (" Details of the Student ");
    " (" " name : " + name );
    " (" " USN : " + USN );
    " (" " SGPA of student " + ( SGPA / totaltotal credits ) );
}

class Main
{
    Public static void main ( String args [ ] )
    {
        Student sl = new new Student ();
        sl . details ();
        sl . Display ();
    }
}

```