

```
import java.util.Scanner;
class student
{
    private String usn;
    private String name;
    private double sgpa;
    private int credits[];
    private int marks[];

    void getDetails(int n)
    {
        System.out.println("Enter students details : \n");
        Scanner get = new Scanner(System.in);
        System.out.println("USN : ");
        usn = get.next();
        System.out.println("Name : ");
        name = get.next();
        marks = new int[n];
        credits = new int[n];
        System.out.println("Enter marks and credits respectively : ");
        for(int i=0; i<n; i++)
        {
            System.out.println("In Subject " + (i+1));
            marks[i] = get.nextInt();
            credits[i] = get.nextInt();
        }

        void calcsGPA(int n)
        {
            double sum=0, sgpa, sumc=0;
            for(int i=0; i<n; i++)
            {
                sum = (marks[i]/10 + 1) * credits[i] + sum;
                sumc = credits[i] + sumc;
            }
            sgpa = sum / sumc;
            System.out.println("SGPA : " + sgpa);
        }
    }
}
```

Expt. No. _____

Page No. _____

```
void printDetails(int n)
{
    System.out.println("\n USN : " + usn);
    System.out.println("NAME : " + name);
    System.out.println("Marks & CREDITS");
    for(int i=0; i<n; i++)
    {
        System.out.println(marks[i] + " & " + credits[i]);
        calculateGPA();
    }
}
```

```
class StudentMain
{
    public static void main(String args[])
    {
        int n;
        System.out.println("Enter the no of subjects : ");
        Scanner ger = new Scanner(System.in);
        n = ger.nextInt();
        Student s1 = new Student();
        s1.getDetails();
        s1.printDetails();
    }
}
```

Teacher's Signature : _____