

Week 2

```
import java.util.Scanner;

class Student
{
    String USN,name;
    int marks[],size,credits[];
    Scanner s = new Scanner(System.in);

    void input()
    {
        System.out.println("Enter USN of student:");
        this.USN = s.next();
        System.out.println("Enter name of student:");
        this.name = s.next();
        System.out.println("Enter number of subjects:");
        this.size = s.nextInt();

        marks = new int[size];
        credits = new int[size];
        for(int i=0;i<size;i++)
        {
            System.out.println("Enter marks of subject"+i+" :");
            this.marks[i] = s.nextInt();
        }

        for(int i=0;i<size;i++)
        {
            System.out.println("Enter credits of subject"+i+" :");
            this.credits[i] = s.nextInt();
        }
    }

    void display()
    {
        System.out.println("Name of student:"+this.name);
        System.out.println("USN of student:"+this.USN);
        for(int i=0;i<size;i++)
        {
            System.out.println("Marks in subject"+i+" are:"+this.marks[i]);
        }
    }

    void SGPA()
    {

```

```

        double result=0,grade_sub=0;
        int credit_sum=0;

        for(int i=0;i<size;i++)
        {
            if(marks[i]>=90)
            {grade_sub = this.credits[i]*9;}
            else if(marks[i]>=80)
            {grade_sub = this.credits[i]*8;}
            else if(marks[i]>=70)
            {grade_sub = this.credits[i]*7;}
            else if(marks[i]>=60)
            {grade_sub = this.credits[i]*6;}
            else if(marks[i]>=50)
            {grade_sub = this.credits[i]*5;}
            else
            {grade_sub=0;}

            result = result + grade_sub;
            credit_sum = credit_sum + credits[i];
        }

        result = (result/credit_sum);
        System.out.println("SGPA is :"+result);
    }
}

class Stud
{
    public static void main(String args[])
    {
        Student s = new Student();
        s.input();
        s.display();
        s.SGPA();
    }
}

```

C:\WINDOWS\system32\cmd.exe

Microsoft Windows [Version 10.0.19044.2251]
(c) Microsoft Corporation. All rights reserved.

C:\Users\BMSCE>cd C:\Users\BMSCE\Desktop\1BM21CS059

C:\Users\BMSCE\Desktop\1BM21CS059>java Stud

Enter USN of student:

1BM21CS059

Enter name of student:

GOWRI CHARAN

Enter number of subjects:

Exception in thread "main" java.util.InputMismatchException

at java.util.Scanner.throwFor(Unknown Source)

at java.util.Scanner.next(Unknown Source)

at java.util.Scanner.nextInt(Unknown Source)

at java.util.Scanner.nextInt(Unknown Source)

at Student.input(Stud.java:16)

at Stud.main(Stud.java:77)

C:\Users\BMSCE\Desktop\1BM21CS059>java Stud

Enter USN of student:

1bm21cs059

Enter name of student:

gowricharan

Enter number of subjects:

3

Enter marks of subject0 :

80

Enter marks of subject1 :

90

Enter marks of subject2 :

100

Enter credits of subject0 :

300

Enter credits of subject1 :

400

Enter credits of subject2 :

3000

Name of student:gowricharan

USN of student:1bm21cs059

Marks in subject0 are:80

Marks in subject1 are:90

Marks in subject2 are:100

SGPA is :8.91891891891892