

## WEEK 2 CALCULATING SGPA (1BM21CS244)

```
import java.util.*;
import java.util.Scanner;

class student
{
    double sgpa;
    int marks,credit;
    String name,usn;
    void assign(String str,String usn1 )
    {
        name=str;
        usn=usn1;
    }
    int grade(int a)
    {
        if(a==100)
            return 10;
        return (a/10)+1;
    }

    void display()
    {
        System.out.println("name of the student is "+ name);
        System.out.println("Usn is "+usn);
        System.out.println("SGPA is "+sgpa);
    }
}

class sgpa
{
    public static void main(String args[])
    {
```

```

int sum=0,credsum=0;

String sname,susn;

Scanner sc=new Scanner(System.in);

student s=new student();

System.out.println("enter student name and usn respectively");

sname=sc.nextLine();

susn=sc.nextLine();

s.assign(sname,susn);

for(int i=0;i<5;i++)
{
    System.out.println("enter marks and credit of subject "+ i+1 +" respectively");

    s.marks=sc.nextInt();

    s.credit=sc.nextInt();

    sum+=(s.grade(s.marks)*s.credit);

    credsum+=s.credit;

}

s.sgpa=(double)sum/credsum;

s.display();

}

}

```

```

C:\Users\Admin\Desktop>java sgpa
enter student name and usn respectively
vishwas
23
enter marks and credit of subject 01 respectively
76 3
enter marks and credit of subject 11 respectively
78 3
enter marks and credit of subject 21 respectively
79 3
enter marks and credit of subject 31 respectively
81 3
enter marks and credit of subject 41 respectively
82 3
name of the student is vishwas
Usn is 23
SGPA is 8.4

```