

## WEEK-2

Develop a Java program to create a class Student with members usn, name, an array credits and an array marks. Include methods to accept and display details and a method to calculate SGPA of a student.

```
import java.util.Scanner;

class student
{float total;

    Scanner sc=new Scanner(System.in);
    int marks[]=new int[10];
    int credit[]=new int[10];
    void display()
    {
        int i;
        float sumofcredit=0;
        System.out.println("Enter the name of the student:");
        String name= sc.nextLine();
        System.out.println("Enter the usn of the student:");
        String usn=sc.nextLine();
        System.out.println("Enter the credits for 5 subjects sequentially:");
        for(i=0;i<5;i++)
        {
            credit[i]=sc.nextInt();
        }
        System.out.println("Enter the marks for 5 subjects sequentially:");
        for(i=0;i<5;i++)
        {
            marks[i]=sc.nextInt();
        }
```

```

for(i=0;i<5;i++)
{
total=total+credit[i];
}
for(i=0;i<5;i++)
{
if(marks[i]==100)
{
sumofcredit+=(10*credit[i]);
}
else
sumofcredit+=((marks[i]/10)+1)*credit[i];

}
System.out.println("name="+name);
System.out.println("usn="+usn);
System.out.println("the sgpa of student is "+(sumofcredit/total));
}
}
class Main
{
public static void main(String args[])
{
student st=new student();
st.display();
}
}

```

```
C:\Users\Admin\Desktop>java Main
Enter the name of the student:
sushanth
Enter the usn of the student:
227
Enter the credits for 5 subjects sequentially:
3
4
4
3
1
Enter the marks for 5 subjects sequentially:
90
89
90
90
80
name=sushanth
usn=227
the sgpa of student is 9.666667
C:\Users\Admin\Desktop>_
```