

2. Develop a Java program to create a class Student with members `usr`, `name`, an array `marks` and an array `credits`. Include methods to accept and display details and a method to calculate `SAM` of students.

```
import java.util.Scanner;

class Student {
    String name;
    String usr;
    int marks[] = new int[5];
    int credits[] = new int[5];

    int totCredits() {
        int t = 0;
        for (i = 0; i < 5; i++) {
            t = t + credits[i];
        }
        return t;
    }
}

class CS014 {
    public static void main (String args[]) {
        S.O.P ("Enter the student name, usr\n");
        int i, t;
        float bpa = 0;

        Scanner sc = new Scanner (System.in);
        Student s1 = new Student();
        s1.name = sc.nextLine();
        s1.usr = sc.nextLine();
        S.O.P ("marks and credits of each subject are\n");
```

```

from i=0; i<3; i++)
{
    st.marks[i] = sc.nextInt();
    if (st.marks[i] > 100)
        st.marks[i] = (st.marks[i] / 10);
    else
        st.marks[i] = (st.marks[i] / 10) + 1;
    st.credits[i] = sc.nextInt();
    sgpa = sgpa + st.marks[i] * st.credits[i];
}
t = st.totalCredits();
sgpa = sgpa / t;
S.O.P ("Sgpa of " + st.name + " is " + sgpa);
}
}

```

## OUTPUT

```
C:\Users\AKSHANTH\OneDrive\Desktop>cd C:\Users\AKSHANTH\OneDrive\Desktop\java
C:\Users\AKSHANTH\OneDrive\Desktop\java>javac sgpa.java
C:\Users\AKSHANTH\OneDrive\Desktop\java>java cs014
enter the student name,usn

Akshanth
1BM21CS014
marks and credit of each subject are

90 3
89 2
100 1
sgpa ofAkshanthis
9.666667

C:\Users\AKSHANTH\OneDrive\Desktop\java>
```