WEEK 2

```java
import java.util.scanner
class Book
{
    String name, usn;
    int marks[] = new int[5]
    int credits[] = new int[5]
    void input()
    {
        Scanner s = new Scanner(System.in);
        System.out.println("Enter your name");
        name = s.nextLine();
        System.out.println("Enter your usn");
        usn = s.next();
        system.out.println("Enter the marks
                    of each subject");
        for (int i=0; i<5; i++)
        {
            marks[i] = s.nextInt();
        }
        System.out.println("Enter the credits
                    for each subject");
        for (int j=0; j=5; j++)
        {
            credits[i] = s.nextInt();
        }
    }
}
```

```java
void display()
{
    system.out.println ("name:" + name);
    system.out.println ("USN:") + usn);
    for (int i=0; i<5; i++)
    {
        system.out.println (" marks of subject"
                + (i+1)' marks[i]);
        system.out.println ("No of credits to
                    the subject above = "+
                                credits[i]);
    }
}

void calc()
{
    int gr.point[] = new int[5];
    int sgpa = 0;
    int sum = 0;
    float 100;
    for (int i=0; i<5; i++)
    {
        if (marks[i]) = 90)
            gr.point[i] = 10;
        else if (marks[i]>80)
            gr.point[i] = 9;
        else if (marks[i]>=70)
            gr.point[i] = 8;
        else if (marks[i]>=60)
            gr.point[i] = 7;
        else if (marks[i]>=50)
            gr.point[i] = 6;
        else if (marks[i]>=40)
            gr.point[i] = 5;
```

```java
else if (marks(i) <= 35 && marks >0)
else            gr.point=0;

            system.out.println    ("Invalid input for
                                            + (i+1)= + "subject
            sgpa+= (gr.point[i] * credits[i];
            sum+= (credits[i]);
        }
    res= (float) sgpa/sum;
        system.out.println ("SGPA = "+ res);
    }
}

class sgpa
{
        public static void main (string args[])
        {
            student st = new student();
            st.input();
            st.diply();
            st.calc();
        }
    }
}

O/p:

Enter your name:
Bharath J
Enter your USN:
40
Enter the marks of each subject
66
77
88
50
97
```

import java.util.scanner;
class Book
{
String name, author
}

Enter the no of credits for each subject
4
3
3
3

Name: Bharat
USN: 38
marks of subject 1 = 66
no of credits for suby above = 4
marks of subject 2 = 74
no of credits of suby above = 3
marks of subject 3 = 88
no of credits for subj above = 3
marks of subject 4 = 86
no of credits for subj above = 3
marks of subject 5 = 87
no of credits for subject above = 3
Sgpa = 8.0

```
C:\Users\BMSCECSEIL74\Desktop>javac LAB2.java

C:\Users\BMSCECSEIL74\Desktop>java lab_2
Enter the number of courses
9
Enter the creadits of the courses:
4
1
1
1
1
3
3
3
3
Enter your   usn,name
1BM21CS019
AMSHU G M
Enter your marks in each subject
enter the marks obtained in 0 course (credits= 4) :90
enter the marks obtained in 1 course (credits= 1) :98
enter the marks obtained in 2 course (credits= 1) :98
enter the marks obtained in 3 course (credits= 1) :84
enter the marks obtained in 4 course (credits= 1) :86
enter the marks obtained in 5 course (credits= 3) :56
enter the marks obtained in 6 course (credits= 3) :87
enter the marks obtained in 7 course (credits= 3) :87
enter the marks obtained in 8 course (credits= 3) :87

_____
usn:1BM21CS019
name:AMSHU G M
sgpa:8.85
```