

MOHAMMED ABDUL HAMID
1BM19CS202
3-D
BATCH:2

LAB WEEK 4 PROGRAMS

```
import java.util.Scanner;
class Student{
    String name;
    int i,n,usn,grade=0;
    int marks[]=new int [5];
    int credits[]=new int[6];
    double total=0;

    void get_input()
    {
        Scanner m= new Scanner(System.in);
        System.out.println("Enter Student Name:");
        name=m.next();
        System.out.println("Enter USN of student:");
        usn=m.nextInt();
        System.out.println("Enter number of subjects:");
        n=m.nextInt();
        System.out.println("Enter the credits and marks of subject:");
        for(i=0;i<n;i++)
        {
            System.out.println("Enter marks of Credits "+(i+1)+" :");
            credits[i]=m.nextInt();
            System.out.println("Enter marks of subject "+(i+1)+":");
            marks[i]=m.nextInt();
        }
    }

    void calculate()
    {
        for(i=0;i<n;i++)
        {
            if(marks[i]>=90 && marks[i]<=100)
                grade=10;
            else if(marks[i]>=80 && marks[i]<=90)
                grade=9;
            else if(marks[i]>=70 && marks[i]<=80)
                grade=8;
            else if(marks[i]>=60 && marks[i]<=70)
                grade=7;
            else if(marks[i]>=50 && marks[i]<=60)
                grade=6;
            else if(marks[i]>=40 && marks[i]<=50)
                grade=5;
            else if(marks[i]>=0 && marks[i]<=40)
```

```

        grade=0;
    else
        System.out.println("invalid");
        total=total+(grade*credits[i]);
    }
    total=total/20;
    System.out.println("Sgpa="+total);
}
void display_output()
{
    System.out.println("Name: "+name);
    System.out.println("usn"+usn);
    System.out.println("Sgpa="+total);
}
public static void main(String args[])
{
    Student s1=new Student();
    s1.get_input();
    s1.calculate();
    s1.display_output();
}
}

```

```

[abduls-MacBook-Pro:java abdulhamid$ java Student
Enter Student Name:
hamid
Enter USN of student:
202
Enter number of subjects:
3
Enter the credits and marks of subject:
Enter marks of Credits 1 :
5
Enter marks of subject1:
89
Enter marks of Credits 2 :
4
Enter marks of subject2:
79
Enter marks of Credits 3 :
5
Enter marks of subject3:
93
Sgpa=6.35
Name: hamid
usn202
Sgpa=6.35
abduls-MacBook-Pro:java abdulhamid$ █

```