

Lab 2: student details.

```
import java.util.Scanner;

class Student
{
    String name;
    String usn;
    int marks[] = new int[5];
    int credits[] = new int[5];
    int i,n;
    int grade=0;
    double total=0;

    void get_data()
    {
        Scanner in = new Scanner(System.in);
        System.out.println("Enter Student Name:");
        name = in.next();
        System.out.println("Enter the USN:");
        usn = in.next();
        System.out.println("Enter the no. of subjects:");
        n=in.nextInt();
        System.out.println("Enter Subject credits:");
        for(i=0;i<n;i++)
        {
            System.out.println("Credits for subject"+(i+1)+":");
            credits[i] = in.nextInt();
        }
        for(i=0;i<n;i++)
```

```

{
    System.out.println("Marks in subject" + (i + 1) + ":");
    marks[i] = in.nextInt();
}
}

```

```

void calculate_sgpa()
{
    for(i=0;i<n;i++)
    {
        if(marks[i]>=90 && marks[i]<=100)
            grade=10;
        if(marks[i]>=80 && marks[i]<=90)
            grade=9;
        if(marks[i]>=70 && marks[i]<=80)
            grade=8;
        if(marks[i]>=60 && marks[i]<=70)
            grade=7;
        if(marks[i]>=50 && marks[i]<=60)
            grade=6;
        if(marks[i]>=40 && marks[i]<=50)
            grade=5;
        if(marks[i]>=0 && marks[i]<=40)
            grade=0;
        else
            System.out.println("Invalid marks entered");
        total=total+(grade*credits[i]);
    }
    total=total/20;
    System.out.println("Sgpa="+total);
}

```

```
}
```

```
void stud_details()
```

```
{
```

```
    System.out.println("Name:"+name);
```

```
    System.out.println("USN:"+usn);
```

```
    System.out.println("Marks & Credits of all subjects:");
```

```
    for(i=0;i<n;i++)
```

```
    {
```

```
        System.out.println("subject:"+(i+1)+":");
```

```
        System.out.println("Marks:"+marks[i]);
```

```
        System.out.println("Credits:"+credits[i]);
```

```
    }
```

```
    calculate_sgpa();
```

```
}
```

```
public static void main(String args[])
```

```
{
```

```
    Student s = new Student();
```

```
    s.get_data();
```

```
    s.calculate_sgpa();
```

```
    s.stud_details();
```

```
}
```

```
}
```

```
Name:ANITEJ
USN:1BM19CS194
Marks & Credits of all subjects:
subject:1:
Marks:56
Credits:3
subject:2:
Marks:65
Credits:2
subject:3:
Marks:76
Credits:4
subject:4:
Marks:57
Credits:3
subject:5:
Marks:90
Credits:2
```

```
Enter Student Name:
ANITEJ
Enter the USN:
1BM19CS194
Enter the no. of subjects:
5
Enter Subject credits:
Credits for subject1:
3
Credits for subject2:
2
Credits for subject3:
4
Credits for subject4:
3
Credits for subject5:
2
Marks in subject1:
56
Marks in subject2:
65
Marks in subject3:
76
Marks in subject4:
57
Marks in subject5:
90
```

```
Sgpa=5.25
```

```
-----
(program exited with code: 0)
```

```
Press any key to continue . . .
```