

3 -

06/10/20

LAB-2

```
import java.util.Scanner;
class Student
{
    private int grade[];
    private String usn;
    private String name;
    private int cr[];
    private int marks[];
    private int double sum = 0.0 0.0;
    private int double total = 0.0 0.0;

    private int Cr = new int[4];
    private int marks = new int[5];
    private int grade = new int[7];
    private double sgpa;

    void getDetails()
    {
        System.out.println("Enter the student details:");
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter name:");
        name = sc.next();
    }
}
```

```
System.out.println("Enter USN: ");  
usn = sc.next();
```

```
for (int i = 0; i < 5; i++)
```

```
{
```

```
System.out.println("Enter marks in sub" + (i+1) + ":");
```

```
marks[i] = sc.nextInt();
```

```
System.out.println("Enter the credits for sub" +  
                    (i+1) + ":");
```

```
    }  
    cr[i] = sc.nextInt();
```

```
}
```

```
void calculate()
```

```
{
```

```
for (int i = 0; i < 5; i++)
```

```
{
```

```
if (marks[i] > 90 && marks[i] <= 100)  
    grade[i] = 10;
```

```
else if (marks[i] > 80 && marks[i] <= 90)  
    grade[i] = 9;
```

```
else if (marks[i] > 70 && marks[i] <= 80)  
    grade[i] = 8;
```

```
else if (marks[i] > 60 && marks[i] <= 70)  
    grade[i] = 7;
```

```
else if (marks[i] > 50 && marks[i] <= 60)  
    grade[i] = 6;
```

```
else if (marks[i] > 40 && marks[i] <= 50)  
    grade[i] = 5;
```

else

grade[i] = 0;

}

for (int i = 0; i < 5; i++)

{
sum += (cr[i] * grade[i]);

total += (cr[i] * 10);

}

sgpa = ((sum / total) * 10);

}

void display()

{

System.out.println("SGPA of " + name + " with

usn" + usn + " is " + sgpa);

}

}

class StudentMain

{

public static void main(String args[])

{

Student st = new Student();

st.getDetails();

st.calculate();

st.display();

}

}