

## Week 4

```
import java.util.*;
class Student
{
    private String USN;
    private String name;
    private int m;
    private private double SGPA = 0;
    private int totalCredits 0 = 0;
    private int credits[];
    private double marks[];
    Scanner in = new Scanner(System.in);
    void accept()
    {
        System.out.println("Enter USN of the student:");
        USN = in.nextLine();
        System.out.println("Enter Name:");
        name = in.nextLine();
        System.out.println("Enter no. of subjects:");
        m = in.nextInt();
        credits = new int[m];
        marks = new double[m];
        System.out.println("Details of Subject:");
```



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

```
    System.out.println("Enter credits for subject "+(i+1));
```

```
    credits[i]=in.nextInt();
```

```
    System.out.println("Enter marks for subject "+(i+1));
```

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

```
    Calculate(credits[i], marks[i], i);
```

```
}
```

```
}
```

```
void Calculate(int credit, double mark, int j)
```

```
{
```

```
    totalCredits = totalCredits + credit;
```

```
    if (mark >= 90 && mark <= 100)
```

```
        SGPA = SGPA + (10 * credit);
```

```
    else if (mark >= 80 && mark < 90)
```

```
        SGPA = SGPA + (9 * credit);
```

```
    else if (mark >= 70 && mark < 80)
```

```
        SGPA = SGPA + (8 * credit);
```

```
    else if (mark >= 60 && mark < 70)
```

```
        SGPA = SGPA + (7 * credit);
```

```
    else if (mark >= 50 && mark < 60)
```

```
        SGPA = SGPA + (6 * credit);
```

```
    else if (mark >= 40 && mark < 50)
```

```
        SGPA = SGPA + (5 * credit);
```

```
    else
```

```
        System.out.println("Failed in Subject "+(j+1));
```

```
}
```

```
void display()
```

```
{
```



```
System.out.println ("Failed Details of Student-");  
System.out.println ("USN: " + USN);  
System.out.println ("Name: " + name);  
System.out.println ("SGPA of Student " + (SGPA/total  
credits)  
}  
}
```

```
Class class Main
```

```
{  
    public static void main (String args[])  
    {  
        Student s1 = new Student ();  
        s1.accept ();  
        s1.Display ();  
    }  
}
```