LAB - 2 PROGRAM

```
import java.util.*;
class student {
    string name, usn;
    double credits [] = new double [5];
    double marks [] = new double [5];
    double a [] = new double [5];
    double total = 0, tc = 0, sgpa = 0, tmc = 0,
    void getDetails () {

        scanner in = new scanner (system.in);
        System.out.println ("Enter name and usn");
        name = in.nextline ();
        usn = in.nextline ();
        for ( int i = 0; i < 5; i++)
        {
            system.out.println ("Enter marks and
                            credits of subject" + (i+1));
            marks [i] = in.nextDouble ();
            credits [i] = in.nextDouble ();
        }
    }


    void displayDetails () {
        system.out.println (" Name" + name);
        system.out.println (" USN " + usn);
```

```java
for ( int j=0 ; j<5 ; j++ ) {
    total + = marks [j] ;
}
    system.out.println (" Total marks", + total);
}


void SGPA () {
for ( int j=0 ; j<5 ; j++) {
    if ( marks [i] > = 90)
        a [j] = 10.0;
    else if ((marks [j] >=80) && (marks [j] <90))
        a [j] = 9.0;
    else if ( marks [j] >= 70 && (marks [j] < 80))
        a[j] = 8.0;
    else if ( marks [j] >= 60 && (marks [j] <70))
        a [j] = 7.0;
    else if ( marks [j] >= 50 && (marks [j] <60))
        a [j] = 6.0;
    else
        a [j] = 0.0
}
    for ( int n=0 ; n<5 ; n++) {
        tc+ = credits [n];
        tmc + = (credits [n] + a [n]);
    }
    sgpa = (tmc / tc);
    system.out.println (" SGPA :" + sgpa);
}
}
```

```
public class student sgpa {
public static void main (string [] args) {

    Student s1 = new student ();
      s1. get Details ();
      s1. display Details ();
      s1. SGPA ();
    }
}
```