Lab-2

2) import java. util. *j

class Student
{
    private String USN;
    private string name;
    private int n;
    private double sgpa=0;
    private int total credits =0;

    Scanner ss= new Scanner (system. in);

void details ()
    {
        System. out. print In ("Enter the USN of the student ");
        USN = ss.nextline ();
        System. out. print Ir ("Enter the name of the student");
        name = ss. nextline ();
        System. out. print In ("Enter the no. of study subjects ");
        n= ss. next Int();
        int credits[] = new int [n];
        double marks = new double [n];
        System. out. print In (" Enter the details of subjects:")

        for (i =0; i <n; i++)
        { System. out. print In (" Enter the credits allotted to the
                                             subject" + (i+1));

        credits [i] = ss. next Int();
System. out. print In (" Enter the marks of the subject" + (i+1)),

marks [i] = ss. next Int();
Calculate (credits (i], marks (i]i);

    }
}

Harshil Doshi
IBMI9CS057

```java
void calculate (int credit, double mark, int j )
{
    total credits = total credits + credit;
    if (mark >= 90 && mark <= 100)
        SGPA = SGPA + (10 * credits);
    else if (mark >= 80 && mark <= 89)
        SGPA = SGPA + (9 * credits);
    else if (marks > 70 && mark <= 79)
        SGPA = SGPA + (8 * credits);
    else if (mark >= 60 && mark <= 69)
        SGPA = SGPA + (7 * credits);
    else if (mark >= 50 && mark <= 59)
        SGPA = SGPA + (6 * credits);
    else if (mark >= 40 && mark <= 49)
        SGPA = SGPA + (5 * credits);
    else
        System.out.println("Failed in subject " + (j+1));
}

void Display ()
{
    System.out.println(" Details of the student");
    System.out.println("Name: " + name);
    System.out.println("USN:" + usn);
    System.out.println("SGPA of student " + (SGPA/Total credits));
}

}
class Main
{
    public static void main (String args[])
    {
        Student S1 = new Student();
        S1.Details();
        S1.Display();
    }
}
```