<u>LAB 2</u>

PROGRAM TO DISPLAY DETAILS OF A STUDENT

HANDWRITTEN PROGRAM

 import java-util. Scanner;
class Student
1
string usu, name;
 int n, credits[], total(redits=0;
double marks[], SGRA = 0.
Scanner in = new Scanner (System. in);
void Details ()
San Desail Service
System out printle (" Enter usu - ");
usu = in. next Line () .
,
System. out. printle (" Enter student name - ")-
name = in. nextLine();
System-out printly " Enter up of subjects - ").
n: in. next int ();
credits = new fut [n];
marks = new to double [n].
for (inti=0; i(n; i++)
1
System. out. println ("Subject" + (i+1);
System. out. printles ("Truber abouted credits-").
credits[i] = in next Jul ();
System-out printles (" Truter marks - ").
System-out printles (" Truber marks - "). marko[i] = in next ().
(alculate (credits[i], marks[i], i);
)
4
200000000000000000000000000000000000000
Void Calculate (int credit, double mark, int j)
1
total (redits + = credit;
if (mark)=90 & & mork <= 100)
-{
561PA+= (10 * credit);
4 (rear),

```
else if (mark >= 80 & = mark <= 89)
            SGRA += (9 * credit);
            2 SGRA += (8 * credit) 3
         else if (mark 7=60 & & mark <=69)
            361PA += (7* credit);
         else if ( mark 7=50 & & mark (=59)
            2 SGPA + = (6 * credit);
        else y ( mark > 240 & & mark < = 49)
           3608A += (5 * medit);
          System out println ( failed in subject "+ (j+1)),
  void Display ()
    System. out. println ("Details of the student - ").

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

System. out. println ("name: "+name);
  2 System. out. println("SORPA: "+ (SORPA/tolal(realt));
class Stu Juso
  public Natic void main (String args[)
     Student stu = new Student ().
    star Detrails ();
  3 stu. Display ();
```

PROGRAM

```
import java.util.Scanner;
class Student
           private String USN,name;
           private int n,credits[],totalCredits = 0;
private double marks[],SGPA = 0;
Scanner in= new Scanner(System.in);
           void Details()
    {
           System.out.println("Enter the usn-");
          System.out.println("Enter the ush" ),
USN = in.nextLine();
System.out.println("Enter the student name- ");
name = in.nextLine();
System.out.println("Enter the no of subjects- ");
           n = in.nextInt();
           credits = new int[n];
marks = new double[n];
           for(int i=0;i<n;i++)
                      System.out.println("Subject "+(i+1));
System.out.println("Enter allotted credits- ");
                      credits[i] = in.nextInt();
                      System.out.println("Enter marks- ");
marks[i] = in.nextDouble();
                      Calculate(credits[i],marks[i],i);
           }
     void Calculate(int credit,double mark,int j)
                      totalCredits+=credit;
                      if(mark>=90&&mark<=100)
                                SGPA+=(10*credit);
                     else if(mark>=80 && mark<=89)
                                SGPA+=(9*credit);
                     else if(mark>=70&&mark<=79)
                                SGPA+=(8*credit);
                     else if(mark>=60&&mark<=69)
                                SGPA+=(7*credit);
                     else if(mark>=50 && mark<=59)
                                SGPA+=(6*credit);
                     else if(mark>=40&&mark<=49)
                                SGPA+=(5*credit);
                     else
                                System.out.println("Failed in Subject "+(j+1));
                           }
          void Display()
                     System.out.println("Details of the Student-");
System.out.println("USN: "+USN);
System.out.println("Name: "+name);
System.out.println("SGPA: "+(SGPA/totalCredits));
class Stu_Info
              public static void main(String args[])
              {
                           Student stu = new Student();
                           stu.Details();
                           stu.Display();
}
```

OUTPUT

```
C:\bms\sem3\labs\java>javac Stu_Info.java
C:\bms\sem3\labs\java>java Stu_Info
Enter the usn-
1cs112
Enter the student name-
priya
Enter the no of subjects-
2
Subject 1
Enter allotted credits-
3
Enter marks-
99
Subject 2
Enter allotted credits-
2
Enter allotted redits-
2
Enter priya
Subject 2
Enter marks-
87
Details of the Student-
USN: 1cs112
Name: priya
SGPA: 9.6
```