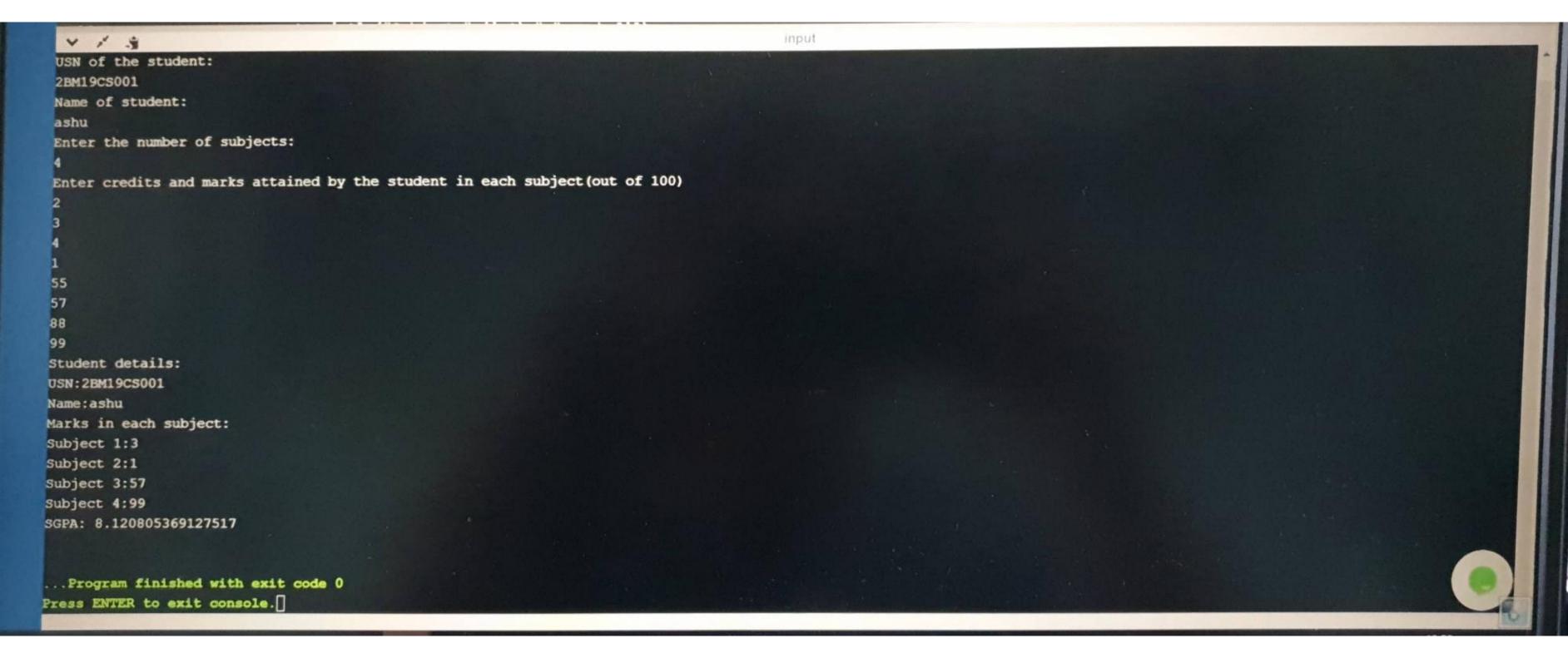
```
1 import java.util.*;
 2 - class Student {
        private String usn;
private String name;
        private int cred[];
        private int marks[];
        private int n;
        void accept()
10
             Scanner s=new Scanner(System.in);
11
             System.out.println("Enter student details");
System.out.println("USN of the student:");
13
14
             usn=s.next();
                   m.out.println("Name of student:");
15
16
             name=s.next();
                   m.out.println("Enter the number of subjects:");
17
             n=s.nextInt();
18
             cred=new int[n];
19
             marks=new int[n];
                   .out.println("Enter credits and marks attained by the student in each subject(out of 100)");
21
22
             for(int i=0;i<n;i++)
23
                 cred[i]=s.nextInt();
24
                 marks[i]=s.nextInt();
25
26
27
        void display()
             System.out.println("Student details:");
             System.out.println("USN:"+usn);
31
             System.out.println("Name:"+name);
32
                   .out.println("Marks in each subject:");
33
             for(int i=0;i<n;i++)
34
                 System.out.println("Subject "+(i+1)+":"+marks[i]);
                                                                                      input
```

```
Main java
                 System.out.println("USN:"+usn);
System.out.println("Name:"+name);
System.out.println("Marks in each subject:");
for(int i=0;i<n;i++)</pre>
  31
  32
  33
  34
  35 -
                       System.out.println("Subject "+(i+1)+":"+marks[i]);
  36
  37
  38
            double calculate()
  39
  40
                 int tcp=0,tc=0;
for(int i=0;i<n;i++)</pre>
  41
  42
                      tc=tc+cred[i];
if(marks[i]>=50)
  44
  45
  46 -
                       tcp=tcp+(((marks[i]/10)+1)*cred[i]);
  47
  48
                      else if(marks[i]>=40 && marks[i]<50)
  49
  50 -
                            tcp=tcp+(4*cred[i]);
  51
  52
  53
  54
                 return (double)tcp/tc;
  55
  56 }
  57
            class Main
  58-
  59
            public static void main(String ss[]) {
   Student s1=new Student();
  60 -
  61
  62
                  s1.accept();
  63
                 s1.display();
System.out.println("SGPA: "+s1.calculate());
  64
  65
  66
Drace PUTED to evit concole [
                                                                                                         input
```



```
Develop a Java program to create a class student
with members USN, name, an average credits and an average marks. Include methods to accept &
display details & a method to calculate supply
 a student
  Emposet java. util. ";
 class student 1
  Private String USN;
  Private String name;
   Private int credite [];
  Private ent marts [];
  Private int n;
  Moid accept ()
 Scanner S = new scanner (System in);
 System. out. println ("Enter sludent delauls");
 System. out. println ("Name: ");
  name = S. next ();
 System. out. println ("Enter The number of subjects:");
   n = s. nextlnt();
  Credits = new int [n];
  mærks = new int [n];
System out println ("Enter credits 4 marks attained
 by The student in each subject ");
 lox (inti=0; ixn; i++)
   credit [i] = 8. next Int ();
   marks [i] = 8. next Int ();
void display
```

```
EXCELLENT
   System. out. println (" student delauls: ");
   System. out. println ("USN: " + USN);
   System. out. println ("Name: " + name);
   System out println ("Marker in each subject: ");
    1091 (int: =0: ixn ; ++)
    System. out. println ("Subject" + (i+1) +"; "+marks[i]).
   Double Calculate ()
    int tcp=0, tc=0
     08 (int : = 0; i < n; i++)
    tc = tc + credita [i];
    if (marks [:] > = 50)
     tcp = tcp + ((( marks [i] /10)+1) + (redits [i]);
   else :/ (marks[i] > = 40 4 + marks[i] < 50)
    tep = tep + ( 4 * credita [:]);
  return (double) top/to;
 class Student main
 Public static void main (String ss [])
Student st = new student ();
, st. accept ();
```

st. diplay (); System. out. println ("SGPA:"+SI. Calculate ()). Oulput USN of the student: 2BM19CS001 Name of Student: ashu Enter The number of subjuts: Enter tredits and marks attained by the student in each subjut (out of 100) almost for the thirt believed a former and a second 55 57 88 99 Student delails: USN: 2BM19CS001 Name: ashu Marks in cach subject: Subjut 1:3 Subjut 2:1 Subjut 3:57 Subjut 4:99 SGPA: 8.1208