Q) Create a class Book which contain four members; name author, price, num-pages. Include a constructor to set the values for the members. Include metho_ to set and get the details of the object. Includ_ toString() method that could display the complete details of the book. Develop a Java program to create a book of objects.

```java
import java.util.Scanner;

class student {

    string USN;
    string name;
    int credils[];
    int marks[];
    double sgpa = 0;
    int crdts = 0;
    int Totcred = 0;

    void acceptor (string USN, string name, int credils[], int marks[]){

        this.USN = USN;
        this.name = name;
        this.credils = credils;
        this.marks = marks

    }
```

```java
student ( int cred size){
        credits = new int [ credsize];
        marks = new int [ credsize];

}

void display () {
    System.out.print (" usn; " + USN + "\n"+ "
    name : " + name + "\n" + sgpa :" +
    sgpa + " \n");

}

void sgpacalc () {
    for ( int i=0; i<marks.length ; i++)
    {   if (marks[i] >= 90) crts =10;
        else if ( marks [i] > = 80) crts = 9;
        else if (marks[i] > =70 ) crts = 8;
        else if ( marks [i] >= 60) crts=7;
        else if (marks [i] >= 50) crts=6;
        else if (marks[i] >= 40) crts 5;
        else if (marks[i] >= 30) crts 4;
        sgpa t = crts * credits [i];

        tot cred t = credits [i]* 10;

    }
    sgpa = (sgpa / tot cred) * 10;

}   }
```

```java
class lab-3 {
    public static void main (String [] args) {
        Scanner S = new Scanner (System.in)
        System.out.println (" Enter the no of
                                cources ");
        int n = S.nextInt();
        int credits [] = new int [n];
        int marks[] = new int[n];
        student S1 = new student(n);
        system.out.println (" Enter the

                            credits of cources");

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

                credits [i] = S.nextInt();

        }

        system.out.println (" Enter your USN,
                                    name ");
        string USN = S.next();

        string skiplines = S. nextline ()

        string name = S. nextline ()

        system.out.println (" Enter your

                            marks in each subject")
                                ;
```

```java
for (int i=0 ; i<n ; i++) {
        System.out.print(" Enter the
                        marks obtained in
" +i+ " course   (credits = " + credits[i]+")
                                    ;");
        marks[i] = s.nextInt();

    }

    s1.acceptor (USN, name, credits, marks);

    s1. sgpacalc();

    s1. display();

    s1. close();

    }

}
```

```
C:\Users\BMSCECSEIL74\Documents\aadi>java lab_3
Enter the number of courses
5
Enter the creadits of the courses:
3
3
3
3
4
Enter your  usn,name
ABHINAV KUMAR
1BM21CS003
Enter your marks in each subject
enter the marks obtained in 0 course (credits= 3) :80
enter the marks obtained in 1 course (credits= 3) :89
enter the marks obtained in 2 course (credits= 3) :93
enter the marks obtained in 3 course (credits= 3) :94
enter the marks obtained in 4 course (credits= 4) :95
usn:ABHINAV
name:1BM21CS003
sgpa:9.625
```