3 write a java program to wreate a class student with members usn, name, marks 16 subjects). Include method to accept student details & marks, also sinclude a method to cakulate the poxenlage of duplay appropriate details. import java . util sannor; Class student { private string usn; private string name; private int [] marks; public student (String usn, String name) { this. Usn - Usn; this name = name; this marks = new int [6]; } public uoid acceptadails () { Scanner S= new Scanner (System.in); system aut. prundin ("Enter USN: "); this, USN = Sourner- neatline (); System. aut. println ("Enter Norme:"); this name = S. new Line (); four (ant i=0; i < marks length, i++)? System. aut. println ("Enter marks far Subject"+ (i+1) + ": "5; this marks [i] = S. next Int (); 33 public double akulate percontage () { int total marks = 0; for (in mark: marks) { total marks += mark; } greturn (double) total Marks / marks length; }

```
public used display Adails () ?
System. aut. poundle ("USN" + this.USN);
system-aut-purtle ("Name: " + this name);
System. out. println ("Marks");
four (int ei = 0; i < marks . length; i++) {
System.aut. prundln ("subject" + (i+1) + " " + marks + " "); }
Sytem-aut pruntly ();
System-aut-println ("percentage"+ Cakulate percentage () + "1.");
public class Studentanoaydenio f
 public Static word main (String args []) {
 System - out printer
 Scanner 3= new Scanner (System. in);
 System. aut. println ("Enter the no of students:");
unt num students= 3. nextn+();
stadent [] 3 - new student [numstaclent];
tous (and i=0; i < numstadents; it+) {
System-aut. prinche ("Enter details foir student" +(i+1):7"");
Student [i] = new student ("", "");
Student [i]. accept Betails (); }
System. aut, println ("In details of student:");
ton ( student student = student
  Student display Ada details ();
  System. aut. pruntln ("1n);3 3 5 3
```

autsuts Enter name: chandu Enton marks four subject 1: 90 Enter marks four subject 2: 89 Enter marks for subject 3:99 Enter marks for subject 4: 100 Enter marks for subject 5: 98 Enter marks four Subject 6: 89 Details of Student: USN: 2023BMS02702 Name: Chandre Marks: Subject 1: 90 subject 2:89 subject 3:99 subject 4: 100 subject 5: 98 Subject 6:89

```
import java.util.Scanner;
class Student {
    String USN, name;
    int marks[] = new int[6];
    double percentage;
    // Method to accept student details and marks
    void acceptDetails() {
        Scanner sc = new Scanner(System.in);
        System.out.print("Enter USN: ");
        USN = sc.nextLine();
        System.out.print("Enter name: ");
        name = sc.nextLine();
        System.out.println("Enter marks for 6 subjects:");
        for (int i = 0; i < 6; i++) {
            marks[i] = sc.nextInt();
    }
    // Method to calculate percentage
    void calculatePercentage() {
        int totalMarks = 0;
        for (int mark : marks) {
            totalMarks += mark;
        }
        percentage = (double) totalMarks / 600 * 100;
    }
    // Method to display student details
    void displayDetails() {
        System.out.println("USN: " + USN);
        System.out.println("Name: " + name);
        System.out.println("Marks: " + marks[0] + ", " + marks[1] +
", " + marks[2] + ", " + marks[3] + ", " + marks[4] + ", " +
marks[5]);
        System.out.println("Percentage: " + percentage + "%");
    }
}
public class StudentMain {
    public static void main(String[] args) {
        int numStudents;
        Scanner sc = new Scanner(System.in);
        System.out.print("Enter the number of students: ");
```

```
numStudents = sc.nextInt();
        Student[] students = new Student[numStudents];
        // Accept details for each student
        for (int i = 0; i < numStudents; i++) {
            students[i] = new Student();
            students[i].acceptDetails();
            students[i].calculatePercentage();
        }
        // Display details of all students
        System.out.println("\nStudent Details:");
        for (Student student : students) {
            student.displayDetails();
            System.out.println();
        }
   }
}
OUTPUT :
Enter the number of students: 2
Enter USN: a101
Enter name: Cathrin
Enter marks for 6 subjects:
90 85 80 95 98 84
Enter USN: a102
Enter name: Saanvi
Enter marks for 6 subjects:
90 95 85 80 70 98
Student Details:
USN: a101
Name: Cathrin
Marks: 90, 85, 80, 95, 98, 84
Percentage: 88.66666666666667%
USN: a102
Name: Saanvi
Marks: 90, 95, 85, 80, 70, 98
Percentage: 86.333333333333333
```