```
3.  import java.util.scanner;

    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 void acceptDetails () {
            Scanner scanner = new Scanner (System.in);
            System.out.print (" Enter USN: ");
            this.usn = Scanner.nextLine ();
            System.out.print ("Enter Name: ");
            this.name = Seanner.nextLine ()

        for (int i=0; i < marks.length; i++) {
            System.out.print ("Enter marks for Subject"+(i+1)
                " : ");
            this.marks[i] = Scanner.nextInt ();
        }
        }

        public double Calculate Percentage () {
            int totalMarks = 0;
            for (int mark: marks) {
                total marks += mark;
            }
            return (double) totalmarks /marks.length;
        }
```

```java
public void displayDetails () {
  System.out.println ("USN: "+ this.usn);
  System.out.println (" Name:"+ this.name);
  System.out.println (" Marks:");
  for (int i=0; i<marks.length; i++)
  {
    System.out.println (" Subject "+ (i+1) + ": "+ marks
      [i]+ "    ");
  }
  System.out.println ();
  System.out.println (" Percentage: "+ calculatePercen
    tage () + " %.");
  {
  System.out.println ();
  System.out.println (" Percentage: "+ calculate Percent
    age () + " %.");
  }
}

public Class StudentArrayDemo
{
  public static void main (String args []) {
    Scanner sc = new Scanner (System.in);
    System.out.println (" Enter number of Students:");
    int numStudents = sc.nextInt ();
    Student [] students = new Student [numstudents];
    for (int i=0; i<numstudents; i++)
      System.out.println (" Enter details for
        Student "+ (i+1) + ": ");
      Students [i] = new Student ("  ", "  ");
      Students [i]. acceptDetails ();
    {
    System.out.println (" Details of Students:");
    for (Student student: students)
    {
```

```
        student. displayDetails ();
        System out println ("\n ...... ");
    q
    q
    q
```

O/P →

Enter usn number of students : 1

Name : ABC

Subject1: 90

Subject 2 : 90

Subject3 : 90

Subjed 4:90

Subject 5: 90

Subject 6 : 90

Details of Students

USN : 11

Name : ABC

Subject1 : 90

Subjed 2 : 90

Subject 3 : 90

Subject 4 : 90

Subject 5 : 90

Subject 6 : 90

Percentage : 90%

8/1/24

STUDENT

```java
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() {
```

```java
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: ");
```

STUDENT

```java
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: 86.33333333333333%