

2] Student

import java.util.Scanner;

class Student

```
{ String USN;  
  String name;  
  int marks[] = new int[6];
```

void acceptDetails()

```
{ Scanner sc = new Scanner(System.in);  
  System.out.println("Enter USN:");  
  USN = sc.nextLine();  
  SOP("Enter name:");  
  name = sc.nextLine();  
  SOP("Enter marks of 6 subjects");  
  for (int i = 0; i < 6; i++)  
  {  
    marks[i] = sc.nextInt();  
  }
```

void calculatePercentage()

```
{ int totalMarks = 0;  
  for (int i = 0; i < 6; i++)  
  {  
    Sum totalMarks += marks[i];  
  }  
  percentage =  
  (totalMarks / 600) * 100;
```

void displayDetails()

```
{ SOP("USN:" + USN);  
  SOP("Name:" + name);  
  SOP("Marks:" +  
    marks[0] + ", " + marks[1]  
    + ", " + marks[2] + marks[3]  
    + marks[4] + ", " + marks[5]);  
  SOP("Percentage:"  
    + percentage + "%");
```

Close Main

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++)  
  {  
    students[i] = new Student();
```



```

System.out.println("Enter student details " + (i+1) + ":");
Student s[i].acceptDetails();
Student s[i].calculatePercentage();
System.out.println("Student Details");
for (Student student : students)
{
    student.displayDetails();
}
}

```

Output:

Enter number of students: 2

Enter USN: 1bm22cs001

Enter name: cham

Enter marks for 6 subjects:

98

96

97

85

90

95

Enter USN: 1bm22cs002

Enter name: clova

Enter marks for 6 subjects:

90

95

98

85

80

82

Student Details:

USN: 1bm22cs001

Name: cham

Marks: 98, 96, 97, 85, 90, 95

Percentage: 93.5%

USN: 1bm22cs002

Name: clova

Marks: 90, 95, 98, 85, 80, 82

Percentage: 90.0%

STUDENT

```
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: ");
    }
}
```

STUDENT

```
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%
```