```
2) Student
Proposed gava. utfl. Scanner,
Class Student
  Storng USN;
  Strong name;
  ent marks []= new ent [6];
 word autit Delass ()
           so = new Swanner (system . Fn);
   System. out paint in (" Enter USAL:);
   USN-sc. nextlene();
   SOP("Enter name:");
    name = sc inextlemen;
    SOP (" enter made of 6 subjects");
    Jan ( Port 9=0; 9 < 6; 9++)
        many fit = sc. next Int ();
                                              Vord deplayschark ()
 vold foot calculate Reventage ()
                                               SUP ( Name: " + nemu);
                                               30P ("haves: "+
       Put total havely = 0.
               mark: marks
                                               mouchs [0] +" "+ marchs [1]
      Jus (Port 100; 8 < 6; ++)
                                              + ", " + marchs [2] + masch (3
          Sum Jotal Mastle + = mostly (1)-y
                                              + marks (H] +","+ murks (=])
        I butterlage "
                                               3012 ("Powerdage:"
         Atthum (total March 1600) + 100;
                                                    + peruntage + " " " );
  Cloud Marn &
     public states vord marn (story (I augs)
        Swammes so = new swammes (System.in)
        System out . perenting " Ent or number of students :");
        ( It notion Studento = sc. nest fort ( ) 3
         Stickent [] students " new student [numstudents] 3
       log ( got 9-0; 1 < num students; 9++)
            students [1] = new student ();
```

```
System out paratus (" onter steelent details " + (1+1)+
    Student PiJ. accept Defaels ();
   2 Students (1). calculate Percentage (),
  System out partin ("Student Details") 3
  for (Student student: students)
    & student desploy Details ();
Autput:
Enter inumber of students; 2
Enler USN: 10m22cs001
Enter name: cham
Enter moules face 6 subjects:
91
016
97
85
                                 90
 95
Enter USN: 16m 92cs00 2
enter norme: down
Enter mouly pan 6 subjects:
015
98
                        please of the self of the
  80
  82
Student Details:
 USN: 1 bm 22 cs 001
 Name; dram
  Moules: 98,96994,85,90,95
 Percentage 1935%.
 USN: 10009955009
```

USN: 16m925002 Name: Clasca Marchs: 90,95,98,85,80,82 Percentage: 90.0%

DESIGN TO BE A TOTAL OF THE PARTY.

```
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: 86.3333333333333333
```