import java.util.Scanner; public class GradeCalculator {

static void GradeCal(int arr[],int numberofsubjects){ int totalmarks=0;

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

System.out.println("Enter the mark of each subject: " + arr[i] + " out of 100");

while (arr[i] < 0 || arr[i] > 100) {

System.out.println("Invalid marks,enter the marks greater than 0 and less than 100");

System.out.println("Enter the marks: " + arr[i] + "out of 100");

}

totalmarks = totalmarks + arr[i];

}

System.out.println("Total marks obtained: " + totalmarks);

int AvgPercentage=totalmarks/numberofsubjects;

System.out.println("Average percentage: "+AvgPercentage+"%");

if(AvgPercentage>=90)

System.out.println("Your grade is: A+"); else if(AvgPercentage>=80)

System.out.println("Your grade is: B+"); else if(AvgPercentage>=70)

System.out.println("Your grade is: B"); else if(AvgPercentage>=60)

System.out.println("Your grade is: C+"); else if(AvgPercentage>=50)

System.out.println("Your grade is: C"); else if(AvgPercentage>=40)

System.out.println("Your grade is: D+"); else if(AvgPercentage>=30)

System.out.println("Your grade is: D"); else

System.out.println("Your grade is: E");

}

public static void main(String[] args) { Scanner s=new Scanner(System.in); int numberofsubjects=s.nextInt(); int arr[]=new int[numberofsubjects]; for(int i=0;i<numberofsubjects;i++) arr[i]=s.nextInt();

GradeCalculator(arr,numberofsubjects);

}

}