import java.util.ArrayList;

import java.util.Scanner;

public class Main {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

ArrayList<Integer> grades = new ArrayList<>();

System.out.print("Enter the number of students: ");

int numStudents = scanner.nextInt();

// Input student grades

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

System.out.print("Enter grade for student " + (i + 1) + ": ");

int grade = scanner.nextInt();

grades.add(grade);

}

// Compute average, highest, and lowest grades

int highest = grades.get(0);

int lowest = grades.get(0);

int sum = 0;

for (int grade : grades) {

sum += grade;

if (grade > highest) highest = grade;

if (grade < lowest) lowest = grade;

}

double average = (double) sum / grades.size();

// Display results

System.out.println("\n--- Grade Statistics ---");

System.out.println("Average Grade: " + average);

System.out.println("Highest Grade: " + highest);

System.out.println("Lowest Grade: " + lowest);

scanner.close();

}

}