

1. Write a C program which can input the last seven days temperature into an array and display the average temperature.  
Sample Input  
36 35 39 37 38 39 38  
Sample Output  
37.428571
2. Write a C program which can input some persons' age into an array and display how many of them are older than the average age of those people.  
Sample Input  
6  
40 30 10 10 15 15  
Sample Output  
2
3. Write a C program which can input some students' age of a particular class into an array and display the number of teenagers in that class.  
Sample Input  
6  
40 30 10 10 15 15  
Sample Output  
2
4. Write a C program which can input the last seven days temperature and display in how many days the temperature is increased than that of immediate previous day.  
Sample Input  
36 35 39 37 38 39 38  
Sample Output  
3
5. 5. Write a C program which can input some students' marks and check whether any student got full marks. You may assume that the exam's total mark is 30.  
Sample Input  
6  
22 29 10 10 15 15  
Sample Output  
No
6. 6. Write a C program which can input some students' marks and display which grades are achieved by most of the students (Grades are A ( $\geq 90$ ), B ( $\geq 80$ ), C ( $\geq 70$ ), and D ( $\geq 60$ ))  
Sample Input  
8  
77 65 74 97 87 85 99 80  
Sample Output  
B

7. Write a C program which can store some 2D points into an array (The x values in one array and y values in another array). Display how many points are in each quadrant.

Sample Input.

4

5 5

8 8

4 9

3 1

Sample Output

4 0 0 0

8. Write a C program which can input the last seven days temperature into an array and display the highest temperature. How many days that highest value is found.

Sample Input

36 35 39 37 38 39 38

Sample Output

39

2

9. Write a C program which can input some numbers into an array and display the highest value among the odd values and of the even values separately.

Sample Input

36 35 39 37 34 39 34

Sample Output

39

36

10. Write a C program which can input some students' marks and display average, variance and standard deviation.

Sample Input

36 35 39 37 34 39 34

Sample Output

36.285714

3.918367

1.979486

11. Write a C program which can input some numbers and display how many of them are divisible by immediate previous element of the array.

Sample Input

40 10 30 15 30 30 30

Sample Output

4