



**Final Examination
Practical Question Paper**

PRF192 # Programming Fundamentals using C

Semester: SU20

Curriculum Code: Software Engineering

Date: 04/09/2020

Duration: 90 Minutes

Total Marks: 30

Do not write on this question paper and return it to the Invigilator after the examination.

A. Awarding to students

The class has 03 pupils includes Leonardo, Remi and Ken. Builds a program to reward pupils based on their GPA (Grade Point Average).

Input

Three real numbers L, R and K ($0.0 \leq L, R, K \leq 10.0$) is GPA of Leonardo, Remi and Ken.

Output

Print the name of pupils that descending ordered base on their GPA. Each name printed on one line.

Sample

<i>Sample Input 1</i>	<i>Sample Output 1</i>
8.5 9.2 7.9	Remi Leonardo Ken

<i>Sample Input 2</i>	<i>Sample Output 2</i>
6.9 7.3 8.6	Ken Remi Leonardo

<i>Sample Input 3</i>	<i>Sample Output 3</i>
9 7 8	Leonardo Ken Remi

B. Replace all matched elements

Builds a program that accepts an integer list and then replaces all **oldValue** by **newValue**.

Input

- The first line contains an integer **N** is the number of elements of the list ($1 \leq N \leq 100$).
- The second line contains 02 integers includes **oldValue** and **newValue**
($-2 * 10^9 \leq \text{oldValue}, \text{newValue} \leq 2 * 10^9$).
- The third line, containing N integers a_0, a_1, \dots, a_{N-1} ($1 \leq i \leq N, -2 * 10^9 \leq a_i \leq 2 * 10^9$).

Output

The list after replaced all matched elements.

Sample

<i>Sample Input 1</i>	<i>Sample Output 1</i>
15 2 9 5 2 2 2 0 -6 2 1 2 -8 3 2 18 5 2	5 9 9 9 0 -6 9 1 9 -8 3 9 18 5 9
<i>Sample Input 2</i>	<i>Sample Output 2</i>
15 1 5 9 2 5 5 3 0 -6 -9 1 -4 2 1 8 9 9	9 2 5 5 3 0 -6 -9 1 -4 2 1 8 9 9
<i>Sample Input 3</i>	<i>Sample Output 3</i>
15 28 10 7 7 7 2 2 -6 -8 -9 -1 -5 0 0 6 6 6	7 7 7 2 2 -6 -8 -9 -1 -5 0 0 6 6 6

C. Palindrome text

Builds a program that allows the user to enter a text. The program will check if the entered text is a palindrome text or not.

Input

Contains the text that length up to 200 characters.

Output

Since the text is palindrome text, prints out “Yes”. Otherwise, prints out “No”.

Sample

<i>Sample Input 1</i>	<i>Sample Output 1</i>
b	Yes
<i>Sample Input 2</i>	<i>Sample Output 2</i>
12ada21000	No
<i>Sample Input 3</i>	<i>Sample Output 3</i>
158abcba851	Yes