

GE23131-Programming Using C-2024

Quiz navigation

1

2

3

Show one page at a time

Finish review

| | |
|-----------|-------------------------------------|
| Status | Finished |
| Started | Monday, 23 December 2024, 5:33 PM |
| Completed | Thursday, 17 October 2024, 11:46 AM |
| Duration | 67 days 5 hours |

Question 1

Correct

Marked out of 3.00

Flag question

Goki recently had a breakup, so he wants to have some more friends in his life. Goki has N people to choose among them according to their skills set $Y_i (1 \leq i \leq n)$. He wants atleast X skills in his friend's skill set.

INPUT

First line contains a single integer X - denoting the minimum skill required to be Goki's friend. The second line contains N integers representing the skill set of each person.

OUTPUT

Print if he can be friend with Goki. 'YES' (without quotes) if he can be friends with Goki else 'NO'.

CONSTRAINTS

$1 \leq N \leq 1000000$

$1 \leq X, Y \leq 1000000$

SAMPLE INPUT 1

100 110

SAMPLE OUTPUT 1

YES

SAMPLE INPUT 2

100 90

SAMPLE OUTPUT 2

NO

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2
3 int main()
4 {
5     int X,Y;
6     scanf("%d %d", &X, &Y);
7
8     //Here 'X' is the no. of skill set of Goki's Friend.
9     //Whereas 'Y' is the no. of skill set possessed by Goki, himself.
10
11     if (X>Y)
12     {
13         printf("NO");
14     }
15
16     else
17     {
18         printf("YES");
19     }
20
21 }
```

| | Input | Expected | Got | |
|--|------------|----------|-----|--|
| | 100 110 | YES | YES | |

REC-CIS

| | | | | |
|--|-----|----|----|--|
| | 100 | NO | NO | |
| | 98 | | | |

Passed all tests!

Question **2**

Correct

Marked out of 5.00

[Flag question](#)

Before the outbreak of corona virus to the world, a meeting happened in a room in Wuhan. A person was in the room and 19 and no one in the room knew about it! So everyone started shaking hands with everyone in the room. Unfortunately everyone got infected! Given the fact that any two persons shake hands exactly once, how many handshakes happened in that meeting? Say no to shakehands. Regularly wash your hands. Stay safe.

Input Format

Read an integer N, the total number of people attended that meeting.

Output Format

Print the number of handshakes.

Constraints

 $0 < N < 106$

SAMPLE INPUT 1

1

SAMPLE OUTPUT

0

SAMPLE INPUT 2

2

SAMPLE OUTPUT 2

1

Explanation Case 1: The lonely board member shakes no hands, hence 0. Case 2: There are 2 people, hence 1 handshake.

Answer: (penalty regime: 0 %)

```

1 #include<stdio.h>
2
3 int main()
4 {
5     int N,nhs;
6     scanf("%d", &N);
7     nhs = N-1;
8     printf("%d",nhs*(nhs+1)/2);
9 }
```

| | Input | Expected | Got | |
|--|-------|----------|-----|--|
| | 1 | 0 | 0 | |
| | 2 | 1 | 1 | |

Passed all tests!

Question **3**

Correct

In our school days, all of us have enjoyed the Games period. Raghav loves to play cricket and all cricket matches. But only one last Games period is left in school now. After that he will pass to the next school. He does not want to lose it. So he has done a lot of planning to make sure that he can play cricket in the next school.

REC-CIS

Flag question

select best technique. 3 numbers are given in input. Output the maximum of these numbers.

Input:

Three space separated integers.

Output:

Maximum integer value

SAMPLE INPUT

8 6 1

SAMPLE OUTPUT

8

Explanation Out of given numbers, 8 is maximum.

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2
3 int main()
4 {
5     int A,B,C;
6     scanf("%d %d %d", &A, &B, &C);
7
8     if (A>B && A>C)
9     {
10         printf("%d", A);
11     }
12     else if (B>C)
13     {
14         printf("%d", B);
15     }
16     else
17     {
18         printf("%d", C);
19     }
20 }
21
22
23
24
25
26
27
```

| | Input | Expected | Got | |
|--|----------|----------|-----|--|
| | 81 26 15 | 81 | 81 | |

Passed all tests!