

GE23131-Programming Using C-2024

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Status	Finished
Started	Monday, 23 December 2024, 5:33 PM
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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 total of 19 people were present in the room. At that time, everyone in the room shook hands with everyone else in the room. So everyone started shaking hands with everyone else in the room. Unfortunately, everyone got infected! Given the fact that any two persons shake hands only 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 class. 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 class.

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!