## Positive, negative or zero

Write a program that allows user to enter any integer named a and then checks that the number entered is positive, negative, or zero.

## Example 1:

Please enter any integer: 2
2 is a positive number

## Example 2:

Please enter any integer: -9
-9 is a negative number

## Example 3:

Please enter any integer: 0
The number entered is zero

## Input

Allow user input a number t.

## Constraints

- $-100<t \leq 100$


## Output

check $t$ is positive, negative or zero, show the result

## Example

Input:
1
Output:
1 is a positive number

