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## Temperatures

## P15613\_en

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Write a program that reads an integer number that represents a temperature given in degree Celsius, and that tells if the weather is hot, if it's cold, or if it's ok. Suppose that it's hot if the temperature is higher than 30 degrees, that it's cold if the temperature is lower than 10 degrees, and that it's ok otherwise. Moreover, warn if with the given temperature water would boil, or if water would freeze. Assume that water boils at 100 or more degrees, and that water freezes at 0 or less degrees.

### Input

Input consists of an integer number.

### Output

Print a line telling if it's hot, if it's cold, or if it's ok. Additionally, print another line if water would boil or if water would freeze.

#### Sample input 1

16

#### Sample output 1

it's ok

#### Sample input 2

-5

#### Sample output 2

it's cold  
water would freeze

#### Sample input 3

99

#### Sample output 3

it's hot

#### Sample input 4

100

#### Sample output 4

it's hot  
water would boil

### Problem information

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