Question **5**

Correct

Mark 1.00 out
of 1.00

⚑ Flag
question

Assign to `is_leap` a boolean expression that determine whether a input number `year` is a leap year or not. (See the definition of leap year [here]).

For example:

Test	Input	Result
1	2020	True

Answer: (penalty regime: 10, 20, ... %)

[Reset answer]

```
1  year = int(input())
2  # YOUR CODE HERE
3  if year%400==0:
4      print("True")
5  elif((year%4==0)and(year%100!=0)):
6      print("True")
7  else:
8      print("False")
9  # True/False
```

Question **6**

Correct

Mark 1.00 out
of 1.00

⚑ Flag
question

What is the result of the following statement?

`not 1 or 0 and 1 or 3 and 4 or 5 and 6 or 7 and 8 and 9`

You don't usually see expression like this but it tests your understanding of the logical operators. You can run in Python to see for yourself the value of the expression.

Answer: [4] ✔

Question **7**

Correct

Mark 1.00 out
of 1.00

⚑ Flag
question

Write a program that accept three inputs, a, b, c in turn, where a and c are to be converted to float numbers, and b is an operator among +, −, ∗ and /, and the program will print the result of the operator b applied on a and c.
In case of b is / and c is 0 at the same time when it will lead to division by zero error, then print Error.

For example:

Test	Input	Result
1	1 + 2	3.0
2	3 / 4	0.75
3	1 / 0	Error

Answer: (penalty regime: 1, 2, ... %)

```
1  a=float(input())
2  b=input()
3  c=float(input())
4  if b=="-":
5      print(a-c)
6  if b=="+":
7      print(a+c)
8  if b=="*":
9      print(a*c)
10 if b=="/":
11     if c==0:
12         print("Error")
13     else:
14         print(a/c)
15
```