

Lab 3.5.7.1 Logical expressions

Objectives

Familiarize the student with:

- Fixing errors in a program
- Integer numbers
- Printing on screen

Scenario

Write a program that computes and prints whether or not a given year is a leap year. A leap year is a year that is exactly (without a remainder) divisible by four, except for years that are exactly divisible by 100, but these years are leap years if they are exactly divisible by 400. Use the *modulo* operator and some logic operators in your program and try to write only one condition (of course you can now use the *else* keyword). Your version of the program must print the same result as the expected output.

```
#include <stdio.h>

int main()
{
    /* your code */
    return 0;
}
```

Example input

2010

Example output

2010 is not a leap year.

Example input

2015

Example output

2015 is not a leap year.

Example input

2000

Example output

2000 is a leap year.

Example input

1900

Example output

1900 is not a leap year.