

Topics: Input/Output, If/else:

Remarks :

- For this exercises, you don't need any loops (for/while etc) or switch. You only need cin,cout,if,else and what you know from the last exercises.

Notation :

- <expression> means that here should be the value of the expression (Example : for me, <name> <surname> means Benno Staub)
- Exercises marked with a * are tricky. You should try to solve them and think about them, but it's okay if you don't get them right.

1. Write a program that :

- asks the user to input his name and surname
- outputs the following: Hello <name> <surname>

2. Write a program that:

- defines a float variable with the price per squaremeter (for example 2.30)
- asks the user to input two numbers (length and width of a rectangle in meters)
- outputs the area of this rectangle (length*width) and the corresponding price.

3*. Write the same program as in 2. But this time, you also add the following things:

- defines a variable with the saldo of the user which is 150 (Should you use integer or float?)
- after the input of the user (length and width) it computes the price
- if the user can afford this price, the program outputs: Fine, this is your new saldo <saldo>
- otherwise it outputs: Sorry, your saldo is too small.

4. Write a program that :

- asks the user for his age
- asks the user if his parents are with him
- outputs if the user is allowed to come in or not (he is only allowed to come in if either he is 18+ or if his parents are with him)

5. Write a program that:

- defines an integer variable
- asks the user to input his name and a number
- outputs: Hello <name>, your number is smaller/greater than mine

6. Write the same program as in 5. But this time the user is only allowed to input numbers between 0-100. If the number is not in that range, the program should output something like: Your number is only allowed to be in the range 0-100. If his number is between 0-100, the program should behave as in 5.

7*. Write the same program as in 5. But this time, the user is only allowed to input natural numbers (integers). If he inputs a number that is a float (like 25.7), the program should output something like: You are only allowed to input integers, no floats. If his input is an integer, the program should behave as in 5.

