BASIC PROGRAMMING IN C

FREE ONLINE COURSE

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PROGRAMMING: A WAY OF THINKING

Usually, people think that
 programming is spending all the day
 in front of a monitor typing strange
 words and doing things that only
 aliens can understand;)

Programming is 10% writing code and 90% understanding why it's not working.

Yes, That is Programming

PROGRAMMING: BASIC DEFINITION

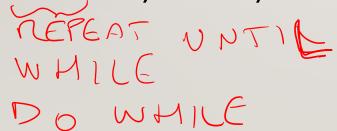
Basically, programming means
 solving problems

A PARTICULAR WAY OF THINKING

- Today we are not going to write any code. We are just going to learn «how to think properly».
- When we have to solve a problem, we have to split it up into smaller problems, easier to solve.
- Let's understand better

HOW TO WALK

- Let's think that we have to explain to a little kid how to walk. We will not say just «walk».
 We would say something like:
- I. Stand up;
- 2. Start moving forward your left foot;
- 3. Then move after your left foot your right foot $U \leq V \leq V \leq V$
- 4. Go on until you reach your destination



SPLITTING PROBLEMS

• This is a rough description of how we walk. Generally, when we have to program, we should try to describe in the best way the steps required in order to solve the problem.

• Let's make some other examples

ALGORITHMS

- A process or set of rules to be followed in calculations or other problem-solving operations, especially by a computer.
- Basically, an algorithm is a "recipe" to solve a problem

Publem Solving: FINDING SOLUTIONS TO

MAKE A PHONE CALL

- Let's see how to solve the problem «make a phone call». Imagine that you have to explain how to make a phone call.
- What would you say?

NEXT LESSON

- Next lesson will be on 30-07-2020, after the database lesson of Mr. Hangalo.
- One of you will explain his solution to one exercise. If you can explain in English, it will be much better.

EXERCISE

• Describe the «recipe» to explain how to follow a lesson.



FOLLOW A LESSON

EXERCISE

Explain how to look for a word in a dictionary

LOOK FOR A WORD IN A DICTIONARY