1. What are the 6 steps in programming?

Program specification

Program design

Program code

Program test

Program documentation

Program maintenance

2. Which one do you prefer? Why? Why not?

I prefer Program design because it’s the excellent Patrick Etcheverry’s domain.

3. Do computers understand human languages? Why?/ Why not?

They don’t because it is too ambiguous, sadly, and code would run into errors. So we need to input binary code instead.

4. What is the function of an assembler?

Hé ben… It is something that takes as input the assembly code and translates it into relocatable machine code.

5. Why did software developers design high-level languages?

Because it’s easier for the human brain to understand and create it.

6. What is the difference between a compiler and an interpreter?

A compiler translates the source code into object code - that is, it converts the entire program into machine code in one go. On the other hand, an interpreter translates the source code line by line as the program is running.

Put these steps into the correct order.

Understand the problem and plan a solution

Make a flowchart of the program

Write instructions in a programming language

Compile the program (to turn it into machine code)

Test and debug the program

Prepare documentation