## Quantum

Quantum is first and foremost a science to explain how the smallest particles works.

On matter we can see by experience that atoms can superimposed.

But atom is composed of electrons, protons and sometimes neutrons which particles has a weight.

So, the principle of atoms who can be superimposed is incredible.

The famous experience of the Schrödinger’s cat:

We put a cat on a box, the box contains a poison who’ll deliver if a radioactive particle triggers it or if we open the box.

The radioactive particle has 50% luck of trigger the poison.

We excite the radioactive particle and before we open the box we cannot know if the cat is alive or dead.

So, we say that the cat is alive AND dead before we open the box.

## Programming

Programming is a technical issue to ask a computer to do certain things with code.

There are many languages of programming to do different things like C, PHP, BASH, etc…

## Bits

A bit is the order of magnitude used for the information.

We use it for the storage or the transmission of information.

8 bits form a byte.