Assignment 1:

• A smart solution is always considered as an efficient and effective one, so how can we demonstrate that a solution is intelligent or not? First, these intelligent solutions must obviously answer the given problem. These answers need to be the result of different things : some data which are the way to interact with the problem and to solve it, a way to reason and to find an answer to the problem and finally improvement of the solution by itself. The example of a simple neural network which represent the XOR is effective. This solution needs some improvement to work well and some data to do it.

• It is essential to represent the knowledge today because it is the best way to solve complex problem. Representing the knowledge to make them understandable by a computer is the only way to solve some questions that we have today. This is used particularly in Artificial Intelligence where it is useful to do some tasks. These systems created with this knowledge representation are more and more complex today and this is one of the biggest challenges that this must face in the century.