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submission comments

*Paste the* Algorithms and Pseudocode *question you've selected followed by your answer. (minimum 250 words)*

Include your assessment of the general knowledge and "common sense" needed to carry out the instructions successfully.

* What is the pseudocode for a robot to empty the dishwasher?

(So, as you can find the cutlery and crockery later, please)

Here is the pseudocode for a robot to empty the dishwasher.

To empty the dishwasher

1. Start
2. Open the dishwasher
3. Take out all the things from the dishwasher
4. Clean the dishes

To place the cutlery and cookery back to the right place

1. Consider cutlery as cl,
2. Consider cookery as ck,
3. cl are smaller than ck
4. ck are bigger than cl
5. Identify the space inside the dishwasher
6. Place cl into the smaller space
7. Place ck into the bigger place
8. close the dishwasher
9. End

The above pseudocode is a rough instruction for a robot to perform a task which is to empty the dishwasher and place those back to the right place.

In this pseudocode, we are giving step-by-step instructions such as firstly open the dishwasher, and then take out all the dishes from the dishwasher and clean the dishes. Those are the instructions to empty the dishwasher. But this pseudocode is not for computers or robots because they don’t understand the human language and pseudocode is in human language. So, pseudocode is for humans to clarify which instructions we must give to computers in order a perform a specific task given by humans. To perform this task, we have to transform those step-by-step instructions into machine language which a computer can understand and to execute that task successfully. This is the logic of pseudocode.

*Paste the* ICT Past, Present, and Future *question you've selected followed by your answer. (minimum 250 words)*

➔**Can recipes be considered as programs?**Is a recipe really an algorithm to solve a problem? Programming uses sequential, iterative, and decision logic to implement an algorithm. Are those three types of logic sufficient to produce the result of a recipe? The application of an algorithm *in various environments* can be the real challenge. Systems people call those Use Cases.

Tea is the most popular drink on the planet. The algorithm/computer/robot must distinguish between making tea, drinking tea, and the phrase "Let's have tea" which usually means both.  
"Hey robot, make tea." — "Tea is made by the Camellia Sinensis plant. I'm a robot."  
"Hey robot, make me a cup of tea." — "It is impossible to make a cup from tea."

"Hey robot, let's have tea." — "You already have tea. It's in the cupboard. Or in the Roman alphabet between S and U." And stop waking me while I'm recharging."

To answer this question, yes, we can consider recipes as programs because it’s all about language. We just have to give clear instructions in a language which a computer can understand. We can consider computers as dumb machine because we have to explain them in a very detail and specified form. But the good point here is that it doesn’t matter what kind of task we want computers to do they will do if we can give clear instructions. The only important thing is to give logical instructions to computers so that they can execute the program to complete the given tasks.

For example, we want a machine to make a cup of tea. First, we must write down a recipe in human language which is called a pseudocode. For example, step one, boil the specific amount of water, then place a teabag inside a boiling water, add milk, add sugar, etc.. . Then a programmer has to convert that pseudo code into a language which a computer can understand. In that way, we can ask a machine to prepare a cup of tea.