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workshop feels easy after attending the lecture

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

➔ pseudocode for a robot to clean your dishes?

(note: You don't get anything clean without getting something else dirty. —Cecil Baxter)

*Ans:*

1. Start
2. Get the battery level
3. If
4. Battery level is more than 40 percent go to step 4
5. Batter level is below 40 percent show a warning to charge first
6. Get the floor layout of house
7. If there is a floor layout stored in memory move further to the step 5
8. If there is no map request first for floor layout
9. Get time to take dirty dishes from the dinner table after completing the dinner
10. If the time is already stored in memory go to step 6
11. If the time is not stored in memory request to scan the time to take dirty dishes from the dinner table after completing the dinner
12. Select the option for washing
13. Heavy wash
14. Light wash
15. Get the notification at the time which is already stored in step 5 to start collecting the dirty dishes from the dinner table
16. If
17. Don’t get the notification go to step 5
18. Already get the notification move to step 8
19. Open the floor layout and find the shortest distance to the dinner table
20. Start the motion sensors and all the motors
21. Start approaching to the dinner table
22. Take a big vessel to put all the dirty dishes
23. If
24. Don’t know the location of big vessel request to scan the location
25. Already know the location then move to step 13
26. Take all the dirty dishes from the dinner table and put it into the big vessel
27. Now get the location of dish washer from floor layout which is already stored in memory
28. Start approaching to the dish washer
29. Now soak all the dirty dishes in the hot water for 5 minutes so it will be easy to clean the oily parts
30. Now put all the dishes into the dish washer very carefully
31. select the quantity of washing liquid
32. If
33. User selected option of heavy wash in step 6 then take 4 spoon of washing liquid
34. User selected option of light wash in step 6 then take 2 spoon of washing liquid
35. Click the start button to start washing
36. After completing the washing take out all the dishes and leave it to dry
37. When all the dishes dry take them back to the dinner table and arrange properly on it
38. Notify the user that process is completed, and dishes are cleaned
39. End

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

➔ How does cloud computing change our need for personal computing hardware?

*Ans:*

Cloud computing, which is very reliable and practical, has replaced the need for personal computing hardware in today's modern and technological world. In the late 1950s, when we first encountered computers—also known as super computers—that were really big in size and had very little memory and actually required a lot of space, we also had large hardware with little memory to store data in it. But as time goes on, new inventions emerge. And finally, after making many strides in this area, we came across USB drives and hard drives that are about the size of a palm or can fit into a pocket but have much higher storage capacities than the hardware used in 1950.

For example, today, we can store data in gigabytes on a finger-sized USB drive, whereas in the past, a large space was required to store even a single byte As technology continues to advance, we now have access to cloud storage, which is even more convenient than hard drives or USB drives because you have to take extra care of them and there's always the chance that viruses will steal your entire data from the drives. Another issue is that you might not be able to restore the data or have access to it any longer if you lose or forget your USB.

But with cloud storage, it's much simpler because all we have to do is upload the material to the server, where it can then be accessed by other people. Previously, you could not access data from your phone that was also on your computer or vice versa, but thanks to cloud computing, we now have access to all of it and can do whatever we want with the data, whether it is on the phone or on the computer. This is how cloud computing changed the need for personal computing hardware. Even in terms of today, we have smartphones that are even more convenient and user-friendly than computers, and they can carry out all the duties that a computer can. This is one of the reasons why people today want to stay up to date with technology, particularly smartphones, in my opinion.