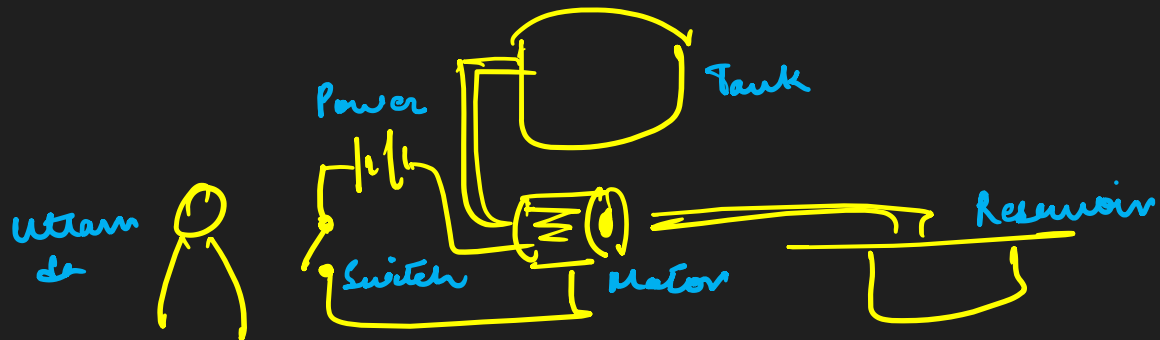


What is IoT?

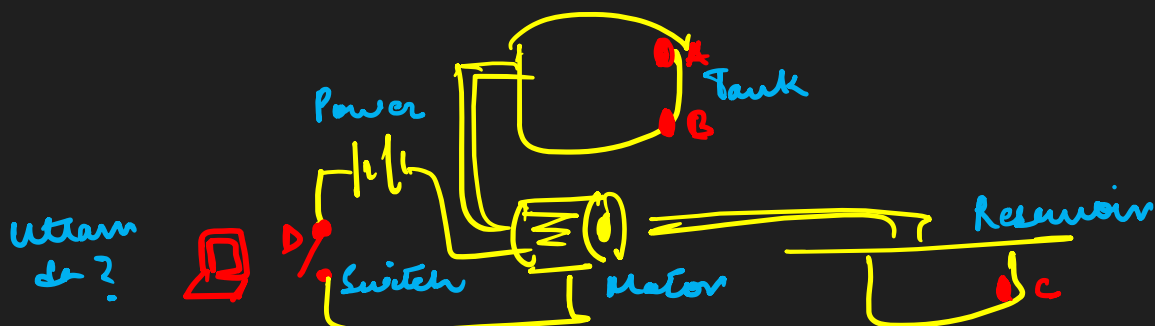
1. IoT stands for Internet of Things. Here Internet doesn't only refer to the Internet we use for all sorts of things, but communication in general.
2. In IoT, things communicate with each other to become smart things which make our life easier. And we tell it what and how to communicate. It will become easier to understand after an example.

Difficult life of Uttam da?



1. He sees that water is not coming from the tap and understands that the tank is empty.
2. He turns on the motor and the motor starts pumping water from the reservoir to the pump.
3. He doesn't usually check the reservoir, but if the reservoir is empty and the motor keeps on running, the motor will burn out or something. The reservoir generally contains water but it should be checked, just in case.
4. Then he turns on the motor and waits till the tank is filled (not really, he just does something else).
5. When he sees or hears that water is overflowing from tank, he turns the motor off. Alternatively, he also remembers, from his past experiences, how much time it approximately takes to fill the tank, and can turn off the motor before the water starts overflowing using his super power.

How to make Uttam da's life easier (how to replace Uttam da with machine)?



1. Two sensors A and B are installed at the top and bottom of the tank to check if the tank is full or empty. Note that more sensors can be used to check how much of the tank is full.
2. A sensor C is installed at the bottom of the reservoir to check if the reservoir is empty.
3. A relay (a switch that can be controlled with our program) is installed in place of the switch.



