() Greneral perspose computer V/s Embodded system.

General purpose computer:

Purpose: - Multipurpose

constrained:- Loco or no resource

performence: Factor and botter

Ker interface: - Keyboard, Display, Mouse Houch screen Embedded system:

single Functioned

> size , power, cost, memory, peal-zime.

-> Fixed runtime requirements!

-> Integrated into the real world.

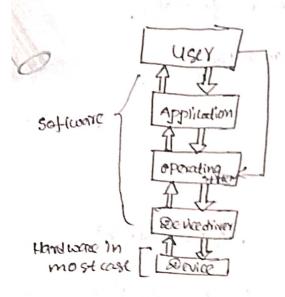
Button, sensors

2) What are Device Drivers?

=> A device driver is a special kind of software programs

That controls a specific hardware device attached to a

computer.



- 3) How can horrdware understand the codes that we write in embodded systems?
- => First, "all the codes the user writes is translated into a set of 1's and 0's by a compiler.
- =) All the computer understand is "high" and "low" vortages.
 or 1's and 0's.
- in a cycle. First, the hardware acceses the memory to retrieve an instruction.
- 4) Difference between RTOS and General purpose 05?
- => RTOS is designed for a single-user environment.
- General purpose operating system (or pos) is designed for a multi-user environment.
 - -) The time response tof the RTOS is deterministic

- -> Real-time task is the task that is associated withe time bound. Non-real-time task is not associated with the time bound.
- => It can be expressed as quantitative expression of time.
- 5) Difference between compiler and Intreproter?
- => compiler:-

A compiler translates code from a high-revel programming language (like python Javascript or Go) into machine code before the program rans.

- =) Interproter:-
- -> An Interpreter Fransicles code written in a hing-level programming language into machine code line-by-line as the code rang.