* How do work device drivers?

A) * A device drivers is a Computer program that operat
(or) Control a particular type of hardware device
Attached a Computer

* This device drivers depend upon the operating system instructions to access the device & perfor
any particular action

* functions of device driver
Manage power requirement
Manage the log events
check input parameters it they are valid
check the devices it it is use

* Ex:- printers, scanners, digital Cameras, video adapt

* difference between general purpose computer system & Embedded system

A) general purpose computer system	Embedded system
* it can be done multiple task as per requirement	* it can be done particular predefined task
* it is designed by using micro processor main as processing unit	* it is designed by using micro controller main as processing unit
* performance faster	* fixed run time requirement
* High power consumption [CPU slow down their clock rate it may reduce the voltage, & cmos circuits draw the power in two ways ① static power [leakage] & dynamic power [toggling/switching]]	* less power consumption [The working life of the embedded system is improved due to less power wastage/ heat, & components are ON for a limited time only]
* occupy more memory space	* occupy less memory space
* Response time will be less Compare to embedded system	* Response time will be more

* difference between R.T.O system & G.P.C system

Real time operating system	general purpose computer operating system
* These operating system guarantee that critical task be Completed within a range of time	* it can be done multiple task as per requirement
* There is a Task deadline	* There is no task deadline
* it has a higher reliability	* it has a less reliability
* it is provide deterministic behaviour [RTOS consume only expected amount of time]	* it is non deterministic behaviour
* it is used for dedicated electronic Application	* it is used in general universal application

* How Can Hardware understand the codes. That we write in Embedded sy

A:) In embedded system hardware itself does not inherently understand high level programming code that developers write

* Embedded system typically Consist of micro controller or micro processor that is capable of executing machine code

* All codes we writed translated into set of 0's & 1's by a complier

* The C.P.U heart of the computer it can understand only machine language that codes 0's & 1's