4/10/2023

SureTrust Assignment-1

1) What is the difference b/w embeded system and General system?

A) General purpose system are versatile they aren't always fully optamised to perform specified tasks embeded system are designed to perform a small number of tasks efficiently. An example of an embeded system is a pacemaker, a small device placed inside a person that monitors and regulates their heart beat.

2) What is the device drivers?

A) A device driver is a special kind of software program that controls a specific hardware device attached to a computer device drivers are essential for a computer to work properly.

3) How can hardware understand the code that we write in embeded system?

Ans :- All the code the user write is translated into set of 1's and 0's by a compiler. All the computer understand is "high" and "low" Vltgs. or 1's and 0's Each instruction generated by the compiler is executed in cycle. first the hardware accesses the memory to retrieve and instructon.

4) What is the difference between RTOS and general purpose system?

Ans While general-purpose operating systems may take a variable amount of time to respond to a given interrupt real-time operating systems must guarantee that all interrupts will be serviced within a certain maximum amount of time. In other words, the interrupt

latency of real-time operating systems must be bounded.