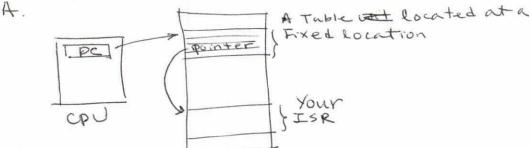


Q. How does the CPU (hardware) know
the address of the Interrupt service Routine?
Ans. The logical solution (answer) is that
the mannfacture perof the CPU assigns a fixed
address for the ISR.

Q. This solution works. However, it significantly vestricts the tlexibility of the developer!

Any better modification?



Q. The pointer that is at at in the table heeds to points to the ISR locations who places that pointer to the table?

A. You the developer, place that pointer to the table, Since it is your ISR and You know its the ISR's location.

Q. I am not sure I know the ISR location. Am I wrong?

A. Although youdon't know the exact address (location) of your ISR. YOUR compiler/loader knows. If you can tell your compiler/loader Q. to find out that address for you. How?

A. It is called assembly language directive, (Search the Kyro Key word Assembly Directive)

- Q Do I, as a developer, know the location of 1/2 the table?
- A. Yes. The manufactory of the CPU needs to tell you. (See MC1322x RM)
- Q Do we have a name for that table?
- A. Vector Table or Exception Table or Jump Table
- Q. How come we need to have a table (not just a row/single entry)?
- A. There are other types of interrupt: (Tor example Reset, Undefined Instruction)
- Q. How do I place a pointer to one entry of the Vector/Imp/Exception Table?
- A. As a pro developer, you ask use assembly
 - Of find the address of the your ISR
 - 2 locate the table address
 - 3 place to O in the table
- Q. I got the concept. May I see a real world example?
- A. See our group project step 3 -A real world timer interrupt example.