H7-CH07

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CS283

P7.6

For each symbol that is definKd and' referenced in swap. o, indjeate if it will

have a symbol table entry in the . symtab section in module swap. o. If so, indicate

the module that defines the symbol (swap. o orm. o ), the symbol type (local, global,

or extern), and the section (.text, . data, or . bss) it occupies in that module.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Symbol | Swap.o .symtabl entry? | Symbol Type | Module where defined | Section |
| Buf | Y | Extern | Main.o | .data |
| Bufp0 | Y | Global | Swap.o | .data |
| Buf1 | Y | Local | Swap.o | .bss |
| Swap | Y | Global | Swap.o | .text |
| Temp | Y |  |  |  |
| Incr | N | Local | Swap.o | .text |
| Count | Y | Local | Swap.0 | .data |

P7.7

Without changing any variable names, modify bar5. c on page 683 so that f 005. C prints the correct values of x and y (i.e., the hex representations of integers 15213 and 15212).

/\* bar5.c \*/

Static double x;

Void f()

{

X = -0.0;

}

P7.9

When this program is compiled and executed on an x86-64 Linux system, it

prints the string Ox48\n and terminates normally, even though function p2 never

initializes variable main. Can you explain this?

This is do to the fact that the function main is a strong symbol, and the variable main is a weak symbol.