

CS 2SC3 and SE 2S03 Fall 2009

Quiz 8 Answer Key

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Question 1

In C, every ordinary variable is bound to a reference. Is this statement true or false?

- A. ☒ True.
- B. ☐ False.

Question 2

In both C and OCaml, if x is bound to a reference, then $\&x$ selects the address of the reference. Is this statement true or false?

A. True.

B. False.

Question 3

A function in C is n -ary where

- A. $n \geq 0$.
- B. $n \geq 1$.
- C. $n = 1$
- D. $n = 0$ or $n = 1$.
- E. $n = 0$, $n = 1$, or $n = 2$.

Question 4

Which of the following is not a numeric type in C?

A. char.

B. int.

C. double.

D.

E.

Question 5

Which statement about functions in C is false?

- A. A function must be declared before it can be applied.
- B. A function cannot be defined inside another function.
- C. A function that does not return an output has `void` as its output type.
- D. A function prototype declares the name of a function, the types of its inputs, and the type of its output.
- E. A tail-recursive function executes in constant space.