

CS 2SC3 and SE 2S03 Fall 2009

# Quiz 7 Answer Key

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# Question 1

In OCaml, a sum type is a generalization of a list type. Is this statement true or false?

A. True.

B.  False.

## Question 2

In OCaml, a type can be defined recursively. Is this statement true or false?

- A.  True.
- B.  False.

## Question 3

Which of the following is an example of a dynamic data structure?

- A. A list.
- B. An array.
- C. A linked list.
- D. A record.
- E. An enumerated type.

## Question 4

A stack can be implemented by

- A. A list.
- B. An array.
- C. A linked list.
- D. All of the above.

## Question 5

The constructors of an OCaml sum type are used to construct members of the type and to

- A. Select values of the type via pattern matching.
- B. Mutate values of the type via assignment.
- C. Identify values that are the same.
- D. Construct finite sequences of values.
- E. All of the above.