



Help

WRITING PROGRAMS TO SOLVE PROBLEMS



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THREE BASIC CONSTRUCTS

3:02 / 3:02	1.0x			
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1. CHECK YOUR UNDERSTANDING (1/1 point)

Which of the following is **NOT** a true statement regarding the sequential, conditional, and iterative constructs?

- ☐ A sequential construct does not involve testing a condition.
- ☐ Both conditional and iterative constructs involve testing a condition.
- ☒ An iterative construct cannot be embedded within a sequential construct. ✓
- ☐ A conditional construct can be embedded within an iterative one.

EXPLANATION

The first two statements are true. In a sequential construct, we always

move from one subtask to the next one without checking a condition. For both the

conditional and iterative constructs, we test a condition. For conditional, the result

of testing the condition determines whether we do one subtask or another (or none).

For iterative, the condition test determines whether or not we repeat the subtask.

There is nothing that prevents embedding one type of construct within another.

Given that, the third statement is false and the fourth one is true. The video showed

an example of embedding an iterative construct within a sequential one, and a

conditional construct within an iterative one.

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