

## More on Selection Knowledge Check



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Grade:	4 out of a maximum of 4 (100%)

## Introduction to Computational Thinking

College of Engineering

### More on Selection Knowledge Check

Let us have a quick check on what you have grasped from the video that you have just watched. Answer the questions given below.

#### 1. Question 4

**True or False: For counter-controlled loops, the number of repetition \* is not known before the loop body starts.**

Answer:

✘ ☐ True

✔ ☒ False

**Correct answer: False**

For counter-controlled loops, the number of repetition is known before the loop body starts.

**Note: If you failed to get the correct answer, please revisit the video lecture.**

Marks for this submission: 1/1.

#### 2. Question 2

**In computer programming, this refers to a sequence of instruction that\* is continually repeated until a certain condition is reached?**

Choose one of the following answers.

- ☐ Selection
- ☐ Continue
- ☐ Break
- ✓ ☒ Loop

**Correct answer: Loop**

**Note: If you failed to get the correct answer, please revisit the video lecture.**

Marks for this submission: 1/1.

### 3. Question 1

**For a sentinel-controlled loop, how do you call the value that signifies \* the end of the loop?**

Choose one of the following answers.

- ☐ Initial value
- ✓ ☒ Sentinel value
- ☐ Final value
- ☐ Controlled value

**Correct Answer: Sentinel**

**Note: If you failed to get the correct answer, please revisit the video lecture.**

Marks for this submission: 1/1.

### 4. Question 3

**Arrange the following steps according to the chronological logic of \* general looping structure.**

Sort answers in the right order (click on the answers to drag-and-drop in order).

- ✓ Initialize
- ✓ Test
- ✓ Loop body
- ✓ Update

**Correct answer:**

**The following are the steps of the general structure of a loop:**

- 1. Initialize:** Loop control variable
- 2. Test:** Continue or not?
- 3. Loop body:** Main computation being repeated
- 4. Update:** Modify the value of the loop control variable so that next time when we test, we may exit the loop.

***Note: If you failed to get the correct answer, please revisit the video lecture.***

Marks for this submission: 1/1.

Next Activity 