Week 6 Pre-reading quiz

Test your Knowledge for Week 6!

Question 1 Submitted Jun 10th 2022 at 11:36:50 am

A conveyor belt carries potatoes past a worker. The worker removes any that are too small or too large. Which of the following selection structure most closely emulates the worker?

Target Willer of the following selection structure most closely emalates the Worker.
o if trap
if else
multi-way
none of the above
Question 2 Submitted Jun 10th 2022 at 11:37:27 am Consider the following if trap:
Which of the following will cause a compile error if a semi-colon (;) is inserted at the specified position? Choose all that apply.
Immediately after the if keyword
Immediately after)
Immediately after {
Immediately after }

between parentheses ()
If you think none of the above will cause a compile error, select this option
Question 3 Submitted Jun 10th 2022 at 11:38:05 am Consider the following if trap:
Which of the following will cause a logic error if a semi-colon (;) is inserted at the specified position? Immediately after the if keyword
Immediately after)
Immediately after {
Immediately after }
If you think more than one of the above will cause a logic error, select this option
Question 4 Submitted Jun 10th 2022 at 11:38:25 am Consider the following code:
Which of the following is true?
The code does not compile
It cannot be recoded as a single if trap It cannot be recoded as a single if trap

It can be recoded as a single if trap using the condition (x \geq 1 && x \leq 5)
It can be recoded as a single if trap using the condition (x >= 1 $\mid \mid x \le 5$)
There is no value of x that will result in the statement $x = 0$ executing
Question 5 Submitted Jun 10th 2022 at 11:38:46 am
Which of the following is NOT true about an if else selection control structure?
It delineates 2 statement blocks
 On any given execution of the structure either one or both of its statement blocks can execute
$igcup$ If the structure's condition is ${f c}$ then the implied else block's condition is ${f !c}$
If the structure's condition is c then it could be re-coded as 2 sequential if traps with conditions c and !c given the following condition:
If you think all of the above are true, select this option
Question 6 Submitted Jun 10th 2022 at 11:39:18 am
If a multi-way selection structure has 5 conditions and an else block what is the minimum number of statements blocks that can execute in any given execution of the structure?
O 0
O 1
4
<u>5</u>

If you think not enough information has been given to answer the question, select this option
Question 7 Submitted Jun 10th 2022 at 11:39:41 am
If a multi-way selection structure has 5 conditions and NO else block what is the minimum number of statements blocks that can execute in any given execution of the structure?
O 0
<u> </u>
O 4
<u> </u>
If you think not enough information has been given to answer the question, select this option
Question 8 Submitted Jun 10th 2022 at 11:39:58 am
If a multi-way selection structure has 5 conditions how many levels of nesting does it have?
Note: one control structure nested inside another counts as one level of nesting.
O 0
<u> </u>
Q 4
<u> </u>
If you think it depends on whether there is a final else block or not, select this option

	conditions in a multi-way selection structure are NOT mutually exclusive which of their ment blocks will execute if the conditions are both true on a given execution of the structure?
	Neither because it's a compile error
0	Only the first in textual order
	Only the last in textual order
	Both statement blocks will execute
	If you think not enough information has been given to answer the question, select this option