

E301B C Programming

Quizz 3: Memory and introduction to pointer

This assessment evaluates the following competencies:

- CP209 – understand the concept of addressing and pointer
- CP207 – understand how variables and their values are stored in memory

Three affirmations is given for the first assessed competency. For each of them, you have to decide whether it is true or false. To get a star for the competency, you must have the correct answer for the three affirmations.

CP209	True	False
A pointer is a variable that contains an address.	<input type="checkbox"/>	<input type="checkbox"/>
Given the two instructions <code>int i = 12; int *p = &i;</code> , the content of the p variable is 12.	<input type="checkbox"/>	<input type="checkbox"/>
Given a pointer <code>int *p</code> , the value of the memory area pointed by p can be obtained with <code>*p</code> .	<input type="checkbox"/>	<input type="checkbox"/>

For the second assessed competency (CP207), you have to determine the value of three expressions using pointers, given the following situation in memory:

d: 2012	-3
c: 2008	2012
b: 2004	0
a: 2000	7

1. a:

2. &b:

3. *c: