

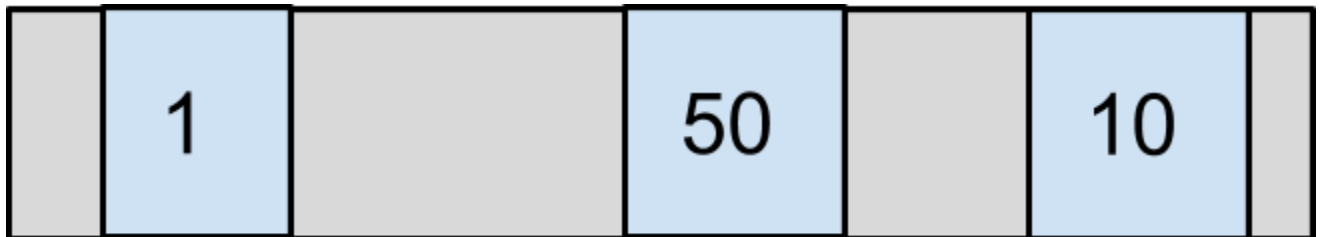
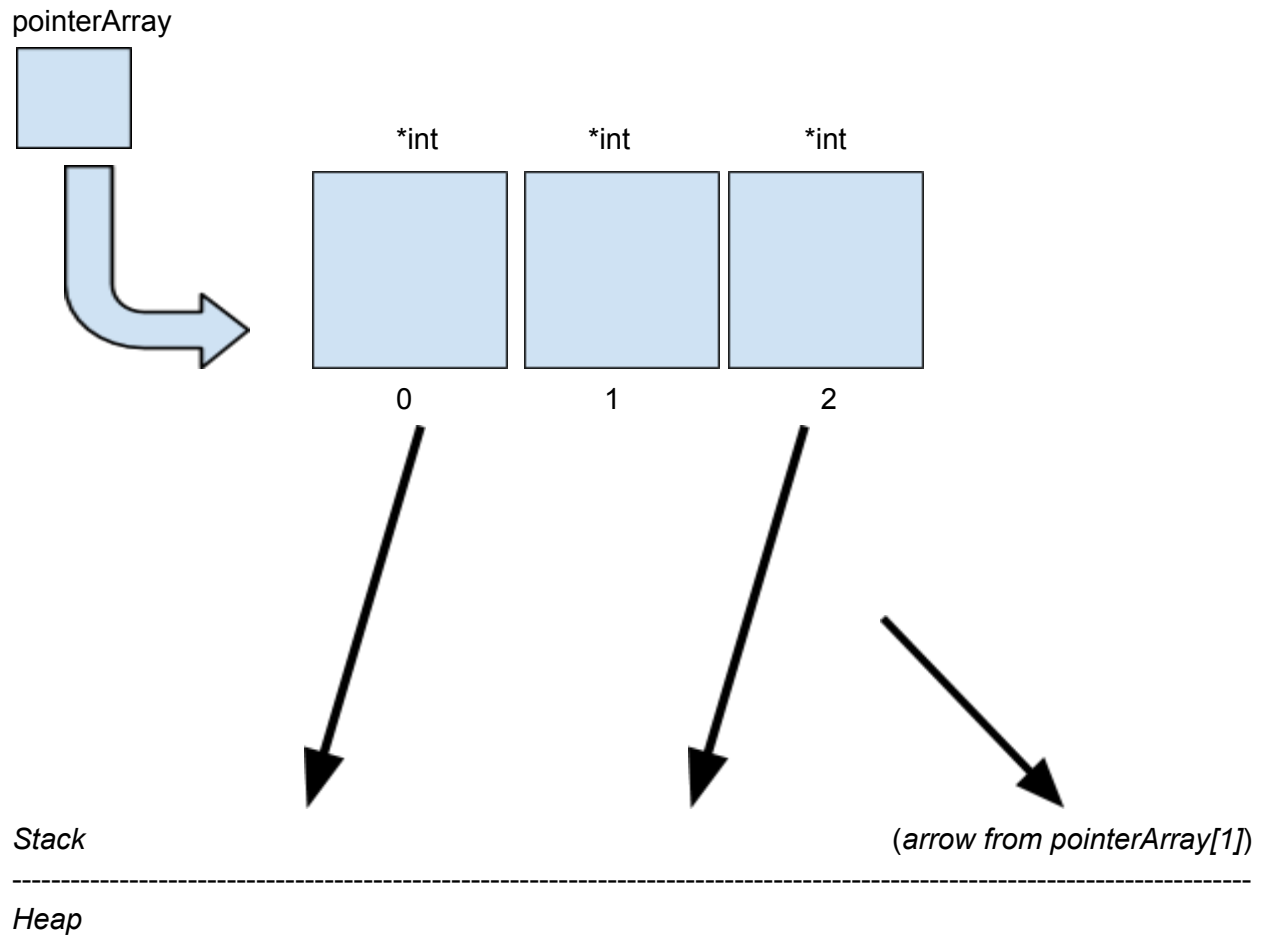
Pointers and Box-and-Arrow Diagrams

Question 1

Stack - values being stored on the stack are done so the standard way without the **new** keyword. The memory on the stack gets deleted when the program has finished running.

Heap - we know memory is being allocated to the heap by the use of the **new** keyword. This memory must be deleted by the programmer in the code with the **delete** keyword.

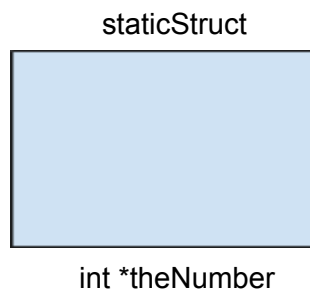
Question 2



Grey denotes unused memory

Question 3

1.



Stack

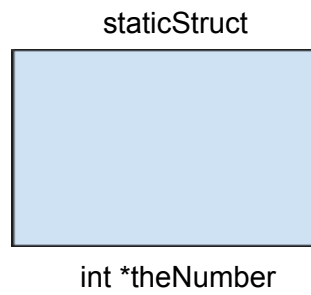


Heap



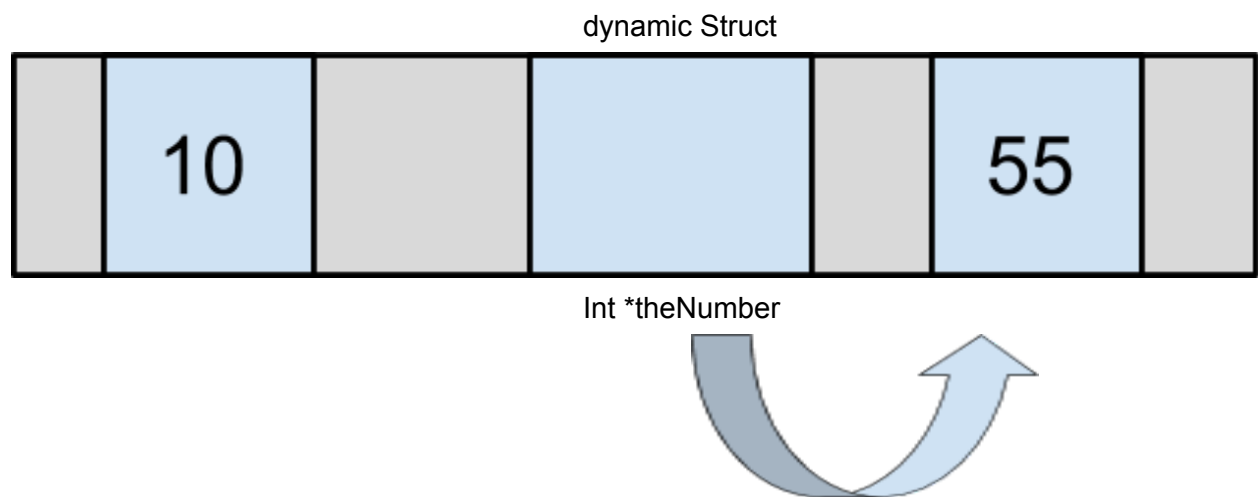
Grey denotes unused memory

2.



Stack

Heap



3.

staticStruct



Stack



Heap

dynamic Struct



Dark grey denotes deallocated memory