# Revision Questions | Week 06

These are self-revision questions, to help you track if you are understanding the weekly course content.

*You should FIRST answer these questions using "pen-and-paper". Only after this should you test your answers by writing and compiling programs.*

1. Compare and contrast a primitive array and a C++ STL Vector.
2. Compare and contrast a C++ STL Vector and a Linked List.
3. Using the definition of a Linked List as provided in the lectures for Week 06:
   (a) Draw the picture of a the linked list, `list`, after each of the lines of code in the following code snippet
   (b) What will be the output of the program?

```cpp
LinkedList* list = new LinkedList();
list->addFront(42);
list->addFront(0);
list->addBack(-100);
std::cout << list->get(1) << endl;
list->clear();
list->addBack(0);
list->addBack(22);
std::cout << list->get(0) << endl;
delete list;
```