Lab 1 in C++ OOP

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1   Preamble

The Lab contains 1 file containing code Lab1.cpp.

2   The Software

I've split the code into several functions. All in all I think I've used *pointers* as much as readability and manageability would allow me. For ease I created a *struct* called *aProp* (short for array properties) to contain and return array pointers and size between functions.

I assumed we where supposed to use c-array instead of new array class. Hope i was correct.

Would love any feedback on good code practice. I wondered wether I should have used difference between index address and array address for my for loop in the printing function (*printArr*). I know it would work, but am not sure wether this would be considered readable?

$$for(int \quad *i = array; i < array + size; ++i)$$
$$if((i - array)\%200 == 0)$$
$$cout << endl;$$

where *array* is address to beginning of array and size is int containing its' size.

Still i deterred from using index notation.

3   Enviroment

I'm programming on an Arch linux 64-bit system. I've got the c++ compiler installed and compile using it's g++ alias which links necessary libraries

automatically. To compile i use the recommended flags: "-std=c++11 -Wall -pedantic". The flags let me choose to use c++11 standard and give me useful compiling warnings and errors.

Monday 23$^{\text{rd}}$ January, 2017