Week Two

C++ starring Mr Feeney

- 1. You can join "cin"s in one line: i.e. std::cin >> n1 >> n2 >> n3;
- 2. Single quotes mean "characters" aka "char" in C++
- 3. Humans are puny
- 4. Due to historical reasons, array indices start with 0
 - 1. myarray[1]; // where 1 is called that "index"
 - 2. arrays are just short form of typing all the variables
- 5. // makes a comment, computers ignore the line after it i.e. //haha
- 6. int num[5]; // array that is 5 in length
- 7. int num[5] = {0}; //initialize every element with 0
- 8. int num[5] = rand(); //initialize every element random integers
- 9. Static arrays has to know its length at compiling time
- 10. You can put stuff onto two places in memory: stack and heap
- 11. Max size of static arrays is the max stack's space
- 12. Static arrays are put into a stack, function calls are put into stacks
- 13. All "new"s are put into a heap.
- 14. "const int mi_length" and "#define MYLITTLEPONY mi_length" makes a constant (computer can't change it after)
- 15. "for" loop
 - for(STARTING CONDITION; GO UNTIL THIS IS FALSE; DO THIS EACH TIME AFTER){//code}
 - 2. C++ is called C++ because "++" means add one in C++
- 16. Rand() gives "pseudorandom" under the same system and condition, it gives the same number every time
- 17. sum += blah; // it takes blah and add into sum, same as "sum = sum + blah;"
- 18. Question: What advantage does a static array have over dynamic ones?