Andrew Plum

Cs 120

11/1/21

Week 11 Notes

* Functions with the same name
  + Herd[i].print() is different to print(herd) and can have different code because one will call an object and the other will call a function and they both have a different number of arguments.
* Order matters when coding!!!
* Output messages make the program way slower than if you don’t have them
* Pointers
  + New [data type] // [] just to show any data type goes here
  + Delete pointer // recycles the memory
    - Helps prevent memory leaks which cause crashe
  + Ex:

Int var1 = 8; // at 0xaff45

Int \*p;

P = &var1;

Int data[3] = {55,66,77}

Func(var1, var2);

F(data, 3);

F2(p);

F2(var2); // prints 33

F2(data); // prints 55

F2(&data[1]) // ok

F2(data[1]) // not ok

Void func(int g, int &h){

G = 7

H = 100

}

Void f(int ar[], int L){

Ar[1] = 8;

L = 25;

}

Void f2(int \*q){

Cout << \*q; // 8

Cout << q; // )xaff45

\*q = 13; // var 1 now 13

}

* Output if variables printed at end:
* Int a2d[3][4] // 2d array
* T