**Differences between C and C++**

|  |  |
| --- | --- |
| C | C++ |
| * Output/print statements:   Printf(“Print %d”, variable);   * %[flags][width][.precision]   conversion\_specification  Ex. To print out a float with two decimal digits of precision (i.e., 24.95):  #include <stdio.h>  printf(“%.2f”, float); | cout << “Print “ << x;   * Stream manipulators: * endl * setw(*n*) * fixed * showpoint * setprecision(*n*) * left * right   Ex. To print out a float with two decimal digits of precision (i.e., 24.95):  #include <iostream>  #include <iomanip>  using namespace std;  cout << fixed << setprecision(2) << float; |
| * Header files:   #include <stdio.h>  Absence of namespaces  Don’t forget .h | #include <iostream>  using namespace std;  Older style (prestandard) C++ header files:  #include <iostream.h>  (Gaddis, pg. 73) |
|  | bool |
| * Casts:   (*type-name*)expression | static\_cast<*type-name*>(expression)  (see Gaddis pg. 103) |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |