CIS 127 Week 2 – Lecture Notes

Comments

Line vs block

Comment to tell other programmers and yourself what your code does

Runtime Error vs Syntax error vs login error

Runtime error – Occur when program is running

Syntax error – An error identified during compiling that indicates a incorrectly used reserved word or missing character.

Logic Error – AKA Software Bug – Unexpected error in code that

Structure of a C++ Program

Declare, Define, Use

Include statements – Tell the compiler what parts of C++ You are going to use in your code

Using namespace std;

Namespaces allow to group entities like classes, objects and functions under a name

Main function

Return value main (argument list)

* { }
* Cout
* Cin
* Endl
* ;
* Return statement

“Hello world”

#include <iostream> //Contains c++ console based Input/Output routines

Using namespace std;

Int main ()

{

Cout << “Hello World” << endl;

Return 0;

}

Hello World with input from user

#include <iostream> //Header file contains c++ console based Input/Output routines

#include <cstring> //Header file for string type

Using namespace std;

Int main ()

{

string sName;

cin >> sName;

Cout << “Good Morning ” << sName << endl;

Return 0;

}