

C++



CHAPTER 2 NOTES

Parts of a C++ Program



- **Compiler Directives**
 - Tells the compiler to do something
 - We will use the `#include< >` directive to include Header files
 - ✦ Header file = code already programmed that allows for certain functions and features, like `cin`, `cout` or `getch()`.
 - Header Code is stored in header file in compiler library
 - You can create your own header files...we will later
- **Comments - like REM from QB.**
 - Mark with `//...`you can also use `/*` and `*/`
 - ✦ See next slide

Comments



- Single line comment

- // this is a comment

- Block comment

- `/* this is a comment...`

- `this is also commented`

- `the comments ends soon... */`

Main function



- Main always executes first.
- Book uses `int main()` and `return 0`.
 - You can skip the `int` and `return 0` statements.
- Functions are similar to subroutines.
- Using this analogy, main would be like a **routine**, all other functions would be **subroutines**.

Braces



- Braces { } mark the start and end of code
- Examples of code that uses braces:
 - Functions, like main
 - Loops
 - If

Statements



- Lines of C++ code that do something
 - `Cin >> name;`
- Statements must end in a semicolon (with a few exceptions)

Other Stuff



- C++ is case-sensitive (QB wasn't)
 - **Name** is a different variable than **name**