

## Day 2 Notes- The Components of a C Program

**function-** independent section of program code that performs a certain task and has been assigned a name

reference function program can execute code

program can send arguments to the function

**library functions-** part of C compiler package

**user defined functions-** programmer creates

1. **main() function-** `main( void ) { }` required. braces make up main body of the program. program execution starts first statement main and ends last statement.

**must include return statement at end**

2. **#include-** instructs C compiler to add contents of an include file into program during compilation. include file separate disk file contains info used by program or compiler

.h extension

**variable-** name assigned to location in memory holds something. must be defined before it can be used.

**function prototype-** provides compiler name and arguments of function. appears before function called.

**function definition-** contains actual statement of

**comments-** `//` single line comment `/* */` multi line comment

group of one or more statements in braces is a block