

Programming Unit 2: Study Guide

- Intro to Linux
 - Linux Commands
 - cp, mv, cd, rmdir, mkdir, ls, etc...
 - Directory organization
 - Flags (know definition and flags associated with "ls")
- Intro to C
 - Compilation
 - Know the steps of compilation (.c → object file → executable)
 - Know how to compile a .c program
 - Basic setup of a program
 - Know how to create a basic C file
 - Be able to recognize errors in a .c file
- Variables
 - Definition
 - Know how to create a variable
 - Naming conventions
 - Different types of variables
 - Int
 - Float
 - Know how to use variables in programs
- Print Formatting
 - Know escape characters
 - \n, \r, etc...
 - Use escape characters in a printf() statement
 - Know number formatting
 - Use formatting for floats and integers
- Random Numbers
 - Know how to create a random number
 - #include <unistd.h>, #include <stdlib.h>
- Modulus Division
 - Know how to use modulus division on paper & in code
- Logic & Truth Tables
 - Logical Operators: &&, ||, !
 - Use logical operators and states of existence to evaluate truth tables

- Conditionals
 - Be able to set up & use if/else if/else statements
 - Be able to find error in if/else if/else statements