IB Computer Science

Unit 1

C Programming

Student_____

Date: _____

Introduction

The Cloud 9 Integrated Programming Environment you have been using for C programming uses the Linux operating system. You have issued the following commands in Linux to compile your programs:

Command	Action
gcc file.c	compiles program file.c to create executable file a.out
gcc –c mrb_lib_1.c	compiles the module mr_lib_1.c to create an object file named mr_lib_1.o this is not an executable program
gcc lab_1.c mrb_lib_1.o	compiles program file lab_1.c and links it with object file mrb_lib_1.o to creates an executable program named a.out

Using the **labs** workspace of the c9.io issue the following commands in the **bash** window and describe the output:

Linux Command	Output
`pwd`	
`ls`	
`ls -l`	
`ls -lrt`	
`ls *.c`	
`ls -lrt *.c`	
`ps`	process status – displays a list of processes you have running
`mkdir backup`	
`cp *.c backup`	
`cd backup`	
`cd ..`	

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Homework Due Thursday December 17 Using the **labs** workspace of the c9.io issue the following commands in the **bash** window and describe the output:	
`cal`	
`cat lab_1.c`	
`clear`	
`echo computer science`	
`env`	Displays a list of environment variables that have been set for your session. This will include lists of directories to search when you issue a command, information about the terminal you are using, information about the bash shell you are using, and more information that supports your session.
`history`	
`more lab_1.c`	
`man more`	
`man man`	

`cp lab_1.c TestCopy.c`
 	
`mv TestCopy.c test_move.c`	