IB Computer Science

Unit 1

C Programming

Student_____

Date: _____

Quiz: Linux Commands#1

Directions:

The output of 10 commands issued from the linux command line are displayed. Your task is to write the most likely command that generated the output.

Example:

Q #	Output	Command (your answer)
Example	/home/ubuntu/workspace	**pwd**

Q#	**Output**	Command (your answer)
1	total 1364 -rw-rw-r-- 1 ubuntu ubuntu 699 Sep 30 13:29 README.md -rw-r--r-- 1 ubuntu ubuntu 44 Dec 16 05:57 awk99 -rw-r--r-- 1 ubuntu ubuntu 416 Dec 16 07:02 o.f -rw-r--r-- 1 ubuntu ubuntu 416 Dec 16 07:01 output.file -rw-r--r-- 1 ubuntu ubuntu 416 Dec 16 07:06 output.filesos -rw-r--r-- 1 ubuntu ubuntu 112 Dec 16 14:28 test.dat -rw-r--r-- 1 ubuntu ubuntu 0 Dec 16 06:53 test.dat.sed.out -rw-r--r-- 1 ubuntu ubuntu 449692 Dec 16 07:00 test.dat1 -rw-r--r-- 1 ubuntu ubuntu 449629 Dec 16 07:01 test.dat2 -rw-r--r-- 1 ubuntu ubuntu 449957 Dec 16 07:00 test.dat3 -rwxr-xr-x 1 ubuntu ubuntu 365 Dec 16 07:06 test99.bash* drwxr-xr-x 2 ubuntu ubuntu 4096 Dec 16 05:37 testData/	
2	December 2015 Su Mo Tu We Th Fr Sa 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	
3	jbrennan:~/workspace $ jbrennan:~/workspace/testData $	
4	PID TTY TIME CMD 430 pts/1 00:00:00 bash 431 pts/1 00:00:00 bash 1895 pts/1 00:00:00 ps	
5	README.md o.f output.filesos testData/ awk99 output.file test.dat test.dat1 test.dat2 test.dat3 test99.bash*	

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Q #	Output	Command (your answer)
6	APACHE_PID_FILE=/home/ubuntu/lib/apache2/run/apache2.pid rvm_bin_path=/usr/local/rvm/bin VIRTUALENVWRAPPER_SCRIPT=/usr/share/virtualenvwrapper/virtualenvwrapper.sh C9_SHARED=/mnt/shared GEM_HOME=/usr/local/rvm/gems/ruby-2.2.1 C9_FULLNAME=jbrennan APACHE_RUN_USER=ubuntu SHELL=/bin/bash TERM=screen IRBRC=/usr/local/rvm/rubies/ruby-2.2.1/.irbrc NVM_PATH=/home/ubuntu/.nvm/versions/node/v4.2.1/lib/node ISOUTPUTPANE=0 C9_PORT=8080 METEOR_IP=0.0.0.0 OLDPWD=/home/ubuntu/workspace/testData PHPRC=/home/ubuntu/workspace MY_RUBY_HOME=/usr/local/rvm/rubies/ruby-2.2.1 LC_ALL=C.UTF-8 NVM_DIR=/home/ubuntu/.nvm USER=ubuntu APACHE_LOG_DIR=/home/ubuntu/lib/apache2/log PATH=/home/ubuntu/.nvm/versions/node/v4.2.1/bin:/usr/local/rvm/gems/ruby-2.2.1/bin:/usr/local/rvm/gems/ruby-2.2.1@global/bin:/usr/local/rvm/rubies/ruby-2.2.1/bin:/mnt/shared/bin:/home/ubuntu/workspace/node_modules/.bin:/home/ubuntu/bin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/mnt/shared/sbin:/opt/gitl:/opt/go/bin:/mnt/shared/c9/app.nw/bin:/usr/local/rvm/bin HGUSER=jbrennan C9_USER=jbrennan NVM_NODEJS_ORG_MIRROR=https://nodejs.org/dist PWD=/home/ubuntu/workspace	
7	bash: where: command not found	

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Q #	Output	Command (your answer)
8	total 24 drwxr-xr-x 2 ubuntu ubuntu 4096 Dec 12 15:44 backup/ -rw-r--r-- 1 ubuntu ubuntu 0 Dec 15 22:24 demo_strings_1.c -rw-r--r-- 1 ubuntu ubuntu 0 Dec 15 22:24 demo_vars2.c -rw-r--r-- 1 ubuntu ubuntu 0 Dec 15 22:24 demo_vars1.c -rw-r--r-- 1 ubuntu ubuntu 0 Dec 15 22:24 demo_vars3.c -rw-r--r-- 1 ubuntu ubuntu 0 Dec 15 22:24 lab_2.c -rw-r--r-- 1 ubuntu ubuntu 0 Dec 15 22:24 lab_1.c -rw-r--r-- 1 ubuntu ubuntu 0 Dec 15 22:24 mrb_lib_1.h -rw-r--r-- 1 ubuntu ubuntu 0 Dec 15 22:24 mrb_lib_1.c -rw-r--r-- 1 ubuntu ubuntu 0 Dec 15 22:24 mrb_lib_2.h -rw-r--r-- 1 ubuntu ubuntu 0 Dec 15 22:24 mrb_lib_2.c -rw-r--r-- 1 ubuntu ubuntu 0 Dec 15 22:24 mrb_lib_1.s -rw-r--r-- 1 ubuntu ubuntu 298 Dec 16 04:27 saved.c -rw-r--r-- 1 ubuntu ubuntu 1175 Dec 16 04:29 Yifan.c -rwxr-xr-x 1 ubuntu ubuntu 8661 Dec 16 04:29 a.out*	
9	47 sed -n 's/(name)/Samantha/p' test.dat 48 sed 's/\(.*\)(name)/Samantha, \1/' test.dat 49 sed 's/\(.*\)Dear (name)/Dear Samantha, \1/' test.dat 50 ksh 51 /bin/ksh 52 /usr/local/bin/ksh 53 ls /usr/bin 54 ls /usr/bin | grep sh 55 clear 56 ls -l 57 pwd 58 cal 59 cd testdata 60 cd testData/ 61 mkdir backup 62 cp *.s* backup/ 63 ps 64 ls 65 cd .. 66 ls 67 env 68 history	

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Q #	Output	Command (your answer)
10	CP(1) User Commands NAME cp - copy files and directories SYNOPSIS cp [OPTION]... [-T] SOURCE DEST cp [OPTION]... SOURCE... DIRECTORY cp [OPTION]... -t DIRECTORY SOURCE... DESCRIPTION Copy SOURCE to DEST, or multiple SOURCE(s) to DIRECTORY. Mandatory arguments to long options are mandatory for short options too. -a, --archive same as -dR --preserve=all --attributes-only don't copy the file data, just the attributes Manual page cp(1) line 1 (press h for help or q to quit)	

Bonus Questions:

a. Explain what you see in the output shown in question 8:

b. What command likely produced the following output?

/tmp/ccU3JiUB.o: In function `main':
Yifan.c:(.text+0xf1): undefined reference to `sqrt'
Yifan.c:(.text+0x128): undefined reference to `sqrt'
collect2: error: ld returned 1 exit status