

CPSC 1301, Computer Science I Quiz

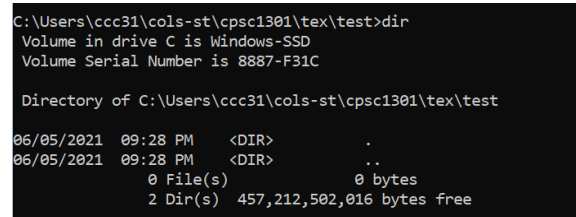
Quiz 1a

This is a timed test. You have thirty minutes to complete the test. Your deliverable will be a plain text file, that is, an ASCII file with a `.txt` file extension. When you finish the test, upload your deliverable to Canvas. Do not publish your answer to your `git` repository.

1 Short Answer

All these questions assume that you are using the command prompt in Windows or the terminal in Linux/UNIX.

1. What is the command to make a new directory?
2. What is the command to change to another directory?
3. What is the command to list the files and subdirectories in the current directory?
4. If you create a new directory, change to the new directory, and run the appropriate directory listing, you will see that the new directory contains two subdirectories. These are named `.` (dot) and `..` (dot-dot), as shown below in figure 1 for Windows and figure 2 for Linux. What is the significance of these two subdirectories, `.` and `..`, and what do they refer to?

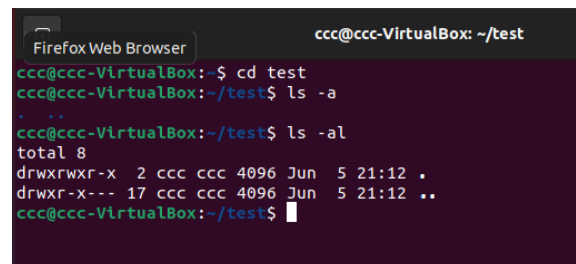


```
C:\Users\ccc31\cols-st\cpsc1301\tex\test>dir
Volume in drive C is Windows-SSD
Volume Serial Number is 8887-F31C

Directory of C:\Users\ccc31\cols-st\cpsc1301\tex\test

06/05/2021  09:28 PM    <DIR>          .
06/05/2021  09:28 PM    <DIR>          ..
               0 File(s)                0 bytes
               2 Dir(s)  457,212,502,016 bytes free
```

Figure 1: Command prompt in Windows



```
ccc@ccc-VirtualBox: ~/test
ccc@ccc-VirtualBox:~$ cd test
ccc@ccc-VirtualBox:~/test$ ls -a
.  ..
ccc@ccc-VirtualBox:~/test$ ls -al
total 8
drwxrwxr-x  2 ccc ccc 4096 Jun  5 21:12 .
drwxr-x--- 17 ccc ccc 4096 Jun  5 21:12 ..
ccc@ccc-VirtualBox:~/test$
```

Figure 2: Terminal in Linux

5. How do you copy one file to another file? Give the command and the two parameters `<source>` and `<target>`.

You can test your answers using your terminal or command prompt.

2 Hands On Exercise

Create the following directory structure in your `/home` directory, or other convenient place. Using the appropriate command for your operating system, produce a recursive listing of your directory structure.

```
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