

Quiz 1

TRANSCRIPTOMICS

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Question 1

What command is allowing you to list of files of a directory ?

- A. mkdir
- B. cat
- C. ls
- D. more

```
abignaud@Jervis:~/reassembly_contact_map$  
MetaTOR_10_1_all_5kb.pdf MetaTOR_19_0_all_5kb.pdf MetaTOR_2_0_all_5kb.pdf MetaTOR_5_2_all_5kb.pdf  
MetaTOR_11_1_all_5kb.pdf MetaTOR_21_1_all_5kb.pdf MetaTOR_30_0_all_5kb.pdf MetaTOR_63_0_all_5kb.pdf  
MetaTOR_11_2_all_5kb.pdf MetaTOR_21_2_all_5kb.pdf MetaTOR_37_0_all_5kb.pdf MetaTOR_64_1_all_5kb.pdf  
MetaTOR_12_0_all_5kb.pdf MetaTOR_22_2_all_5kb.pdf MetaTOR_40_0_all_5kb.pdf MetaTOR_64_2_all_5kb.pdf  
MetaTOR_13_6_all_5kb.pdf MetaTOR_22_3_all_5kb.pdf MetaTOR_41_0_all_5kb.pdf MetaTOR_71_0_all_5kb.pdf  
MetaTOR_14_0_all_5kb.pdf MetaTOR_22_4_all_5kb.pdf MetaTOR_44_0_all_5kb.pdf MetaTOR_7_0_all_5kb.pdf  
MetaTOR_15_0_all_5kb.pdf MetaTOR_23_0_all_5kb.pdf MetaTOR_49_0_all_5kb.pdf MetaTOR_88_0_all_5kb.pdf  
MetaTOR_16_0_all_5kb.pdf MetaTOR_24_0_all_5kb.pdf MetaTOR_54_0_all_5kb.pdf MetaTOR_9_0_all_5kb.pdf  
MetaTOR_17_0_all_5kb.pdf MetaTOR_25_0_all_5kb.pdf MetaTOR_56_0_all_5kb.pdf  
MetaTOR_18_0_all_5kb.pdf MetaTOR_27_0_all_5kb.pdf MetaTOR_57_0_all_5kb.pdf
```

Question 2:

What command allow you to move from a directory to another

- A. `cd`
- B. `mv`
- C. `ls`
- D. `rm`

```
abignaud@Jervis:~/reassembly_contact_map$  
MetaTOR_10_1_all_5kb.pdf  MetaTOR_19_0_all_5kb.pdf  MetaTOR_2_0_all_5kb.pdf  MetaTOR_5_2_all_5kb.pdf  
MetaTOR_11_1_all_5kb.pdf  MetaTOR_21_1_all_5kb.pdf  MetaTOR_30_0_all_5kb.pdf  MetaTOR_63_0_all_5kb.pdf  
MetaTOR_11_2_all_5kb.pdf  MetaTOR_21_2_all_5kb.pdf  MetaTOR_37_0_all_5kb.pdf  MetaTOR_64_1_all_5kb.pdf  
MetaTOR_12_0_all_5kb.pdf  MetaTOR_22_2_all_5kb.pdf  MetaTOR_40_0_all_5kb.pdf  MetaTOR_64_2_all_5kb.pdf  
MetaTOR_13_6_all_5kb.pdf  MetaTOR_22_3_all_5kb.pdf  MetaTOR_41_0_all_5kb.pdf  MetaTOR_71_0_all_5kb.pdf  
MetaTOR_14_0_all_5kb.pdf  MetaTOR_22_4_all_5kb.pdf  MetaTOR_44_0_all_5kb.pdf  MetaTOR_7_0_all_5kb.pdf  
MetaTOR_15_0_all_5kb.pdf  MetaTOR_23_0_all_5kb.pdf  MetaTOR_49_0_all_5kb.pdf  MetaTOR_88_0_all_5kb.pdf  
MetaTOR_16_0_all_5kb.pdf  MetaTOR_24_0_all_5kb.pdf  MetaTOR_54_0_all_5kb.pdf  MetaTOR_9_0_all_5kb.pdf  
MetaTOR_17_0_all_5kb.pdf  MetaTOR_25_0_all_5kb.pdf  MetaTOR_56_0_all_5kb.pdf  
MetaTOR_18_0_all_5kb.pdf  MetaTOR_27_0_all_5kb.pdf  MetaTOR_57_0_all_5kb.pdf
```

Question 3

How do you get the manual of a function

- A. **<COMMAND> --help**
- B. **<COMMAND> -h**
- C. **man <COMMAND>**
- D. **<COMMAND>**

```
Usage: grep [OPTION]... PATTERNS [FILE]...
Search for PATTERNS in each FILE.
Example: grep -i 'hello world' menu.h main.c
PATTERNS can contain multiple patterns separated by newlines.

Pattern selection and interpretation:
-E, --extended-regexp    PATTERNS are extended regular expressions
-F, --fixed-strings      PATTERNS are strings
-G, --basic-regexp       PATTERNS are basic regular expressions
-P, --perl-regexp        PATTERNS are Perl regular expressions
-e, --regexp=PATTERNS    use PATTERNS for matching
-f, --file=FILE          take PATTERNS from FILE
-i, --ignore-case        ignore case distinctions in patterns and data
                        --no-ignore-case    do not ignore case distinctions (default)
-w, --word-regexp        match only whole words
-x, --line-regexp        match only whole lines
-z, --null-data          a data line ends in 0 byte, not newline

Miscellaneous:
-s, --no-messages        suppress error messages
-v, --invert-match        select non-matching lines
-V, --version            display version information and exit
                        --help            display this help text and exit

Output control:
-m, --max-count=NUM      stop after NUM selected lines
-b, --byte-offset        print the byte offset with output lines
-n, --line-number        print line number with output lines
                        --line-buffered    flush output on every line
-H, --with-filename      print file name with output lines
-h, --no-filename        suppress the file name prefix on output
                        --label=LABEL     use LABEL as the standard input file name prefix
-o, --only-matching      show only nonempty parts of lines that match
-q, --quiet, --silent    suppress all normal output
                        --binary-files=TYPE assume that binary files are TYPE;
                        TYPE is 'binary', 'text', or 'without-match'
-a, --text               equivalent to --binary-files=text
-I                       equivalent to --binary-files=without-match
```

Question 4

What is the meaning of '-' in a command ?

- A. Nothing, it's probably a typo from the teacher.
- B. It's a useless character to make the commands easier to read
- C. It's a character to mean that we will enter a short option name of the command.
- D. It's a character to mean that we will enter a **long** option name of the command.

```
abignaud@Jervis:~/reassembly_contact_map$ ls -alh
total 155M
drwxr-sr-x 1 abignaud abignaud 512 Sep  1  2022 .
drwxr-xr-x 1 abignaud abignaud 512 Sep 19 22:16 ..
-rw-r--r-- 1 abignaud abignaud 950K Sep  1  2022 MetaTOR_10_1_all_5kb.pdf
-rw-r--r-- 1 abignaud abignaud 4.1M Sep  1  2022 MetaTOR_11_1_all_5kb.pdf
-rw-r--r-- 1 abignaud abignaud 6.6M Sep  1  2022 MetaTOR_11_2_all_5kb.pdf
-rw-r--r-- 1 abignaud abignaud 3.2M Sep  1  2022 MetaTOR_12_0_all_5kb.pdf
-rw-r--r-- 1 abignaud abignaud 5.2M Sep  1  2022 MetaTOR_13_6_all_5kb.pdf
-rw-r--r-- 1 abignaud abignaud 4.0M Sep  1  2022 MetaTOR_14_0_all_5kb.pdf
-rw-r--r-- 1 abignaud abignaud 4.1M Sep  1  2022 MetaTOR_15_0_all_5kb.pdf
-rw-r--r-- 1 abignaud abignaud 2.4M Sep  1  2022 MetaTOR_16_0_all_5kb.pdf
-rw-r--r-- 1 abignaud abignaud 3.2M Sep  1  2022 MetaTOR_17_0_all_5kb.pdf
-rw-r--r-- 1 abignaud abignaud 196K Sep  1  2022 MetaTOR_18_0_all_5kb.pdf
-rw-r--r-- 1 abignaud abignaud 5.3M Sep  1  2022 MetaTOR_19_0_all_5kb.pdf
-rw-r--r-- 1 abignaud abignaud 3.9M Sep  1  2022 MetaTOR_21_1_all_5kb.pdf
-rw-r--r-- 1 abignaud abignaud 1.6M Sep  1  2022 MetaTOR_21_2_all_5kb.pdf
-rw-r--r-- 1 abignaud abignaud 5.4M Sep  1  2022 MetaTOR_22_2_all_5kb.pdf
-rw-r--r-- 1 abignaud abignaud 3.3M Sep  1  2022 MetaTOR_22_3_all_5kb.pdf
```

Question 5

What command allows me to select the third column of the test.tsv file and then sort it ?

- A. `cut -f3 test.tsv > sort`
- B. `cut -f3 test.tsv > tmp_file.tst && sort tmp_file.tst && rm tmp_file.tst`**
- C. `cut -f1-3 test.tsv | sort -k 3,3`
- D. `cut -f3 test.tsv | sort`**