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Batch- CSE-O2

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BASIC LINUX COMMA

NDS

1) ls a?:

Lists files that begin with character 'a'.

2) ls *.c:

Lists files that end with .c extension.

3) ls [rsk]in:

Lists files with names that begin with either "r/s/k" and are followed by "in".

4) ls [a-g,o-s]et:

Lists files with names that begin with either "a-g" or "o-s" and are followed by "et".

5) wc -l bet:

Displays number of lines in file "bet"

6) cat >>bet:

Appends items to file "bet"

7) head -2 bet|tail -2:

First two items of "bet" file will be passed as input for tail -2 command and it will be executed.

8) echo \$HOME:

Shows path of home directory.

9) echo \$PS1:

Displays prompt symbol.

10) echo \$PS2:

Displays 2nd prompt symbol (>).

11) echo \$LOGNAME:

Displays login name.

12) echo \$PATH:

Displays path name where operating system searches for an executable file.

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submission
(base) Rahuls-MacBook-Air:~ rahulgoel$ head -2 get |tail -2 get
mouse
cpu
(base) Rahuls-MacBook-Air:~ rahulgoel$ ls
Applications      Downloads      Music          Public
Desktop           Library        PacketTracer7.3.1.0362  a1
Documents         Movies         Pictures        bet:
(base) Rahuls-MacBook-Air:~ rahulgoel$ echo$PS1
bash: echo(base): command not found
(base) Rahuls-MacBook-Air:~ rahulgoel$ echo $PS1
(base) \h:\W \u$
(base) Rahuls-MacBook-Air:~ rahulgoel$ echo $PS2
>
(base) Rahuls-MacBook-Air:~ rahulgoel$ echo $LOGNAME
rahulgoel
(base) Rahuls-MacBook-Air:~ rahulgoel$ ls
Applications      Downloads      Music          Public
Desktop           Library        PacketTracer7.3.1.0362  a1
Documents         Movies         Pictures        bet:
(base) Rahuls-MacBook-Air:~ rahulgoel$ ls -l
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 Applications
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 Desktop
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 Documents
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 Downloads
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 Library
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 Movies
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 Music
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 PacketTracer7.3.1.0362
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 Pictures
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 Public
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 a1
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 bet:
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 get
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 s1.txt
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 untitled0.py
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 untitled1.py
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 untitled2.py
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 yet
(base) Rahuls-MacBook-Air:~ rahulgoel$ chmod ug+rw a1
(base) Rahuls-MacBook-Air:~ rahulgoel$ ls -l
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 Applications
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 Desktop
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 Documents
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 Downloads
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 Library
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 Movies
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 Music
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 PacketTracer7.3.1.0362
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 Pictures
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 Public
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 a1
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 bet:
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 get
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 s1.txt
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 untitled0.py
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 untitled1.py
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 untitled2.py
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 yet
(base) Rahuls-MacBook-Air:~ rahulgoel$

```

13. Chmod ug +rw a1:

Giver read+write permissions to user and group member.

```

usage: wc [-c|mw] [file ...]
(base) Rahuls-MacBook-Air:~ rahulgoel$ cat >>get
keyboard
mouse
cpu
~C
(base) Rahuls-MacBook-Air:~ rahulgoel$ cat get
haa
lol
tor
pet
keyboard
mouse
cpu
(base) Rahuls-MacBook-Air:~ rahulgoel$ cat a1|more
cat: a1: No such file or directory
(base) Rahuls-MacBook-Air:~ rahulgoel$ cat >a1
lab
work
submission
(base) Rahuls-MacBook-Air:~ rahulgoel$ cat a1|more
lab
work
submission
(base) Rahuls-MacBook-Air:~ rahulgoel$ cat a1
lab
work
submission
(base) Rahuls-MacBook-Air:~ rahulgoel$ head -2 get |tail -2 get
mouse
cpu
(base) Rahuls-MacBook-Air:~ rahulgoel$ ls
Applications      Downloads      Music          Public
Desktop           Library        PacketTracer7.3.1.0362  a1
Documents         Movies         Pictures        bet:
(base) Rahuls-MacBook-Air:~ rahulgoel$ echo$PS1
bash: echo(base): command not found
(base) Rahuls-MacBook-Air:~ rahulgoel$ echo $PS1
(base) \h:\W \u$
(base) Rahuls-MacBook-Air:~ rahulgoel$ echo $PS2
>
(base) Rahuls-MacBook-Air:~ rahulgoel$ echo $LOGNAME
rahulgoel
(base) Rahuls-MacBook-Air:~ rahulgoel$ ls
Applications      Downloads      Music          Public
Desktop           Library        PacketTracer7.3.1.0362  a1
Documents         Movies         Pictures        bet:
(base) Rahuls-MacBook-Air:~ rahulgoel$ ls -l
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 Applications
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 Desktop
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 Documents
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 Downloads
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 Library
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 Movies
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 Music
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 PacketTracer7.3.1.0362
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 Pictures
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 Public
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 a1
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 bet:
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 get
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 s1.txt
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 untitled0.py
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 untitled1.py
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 untitled2.py
-rw-r--r--  1 rahulgoel  staff  0 B   11/11/20 15:00 yet

```

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The default interactive shell is now zsh.
To update your account to use zsh, please run `chsh -s /bin/zsh`.
For more details, please visit https://support.apple.com/kb/HT208050.
(base) Rahul-MacBook-Air:~ rahulgoel$ chsh -s /bin/zsh
Changing shell for rahulgoel.
Password for rahulgoel:
chsh: no changes made
(base) Rahul-MacBook-Air:~ rahulgoel$ ls
Applications      Movies            bet:
Desktop           Music            untitled0.py
Documents         PacketTracer7.3.1.0362  untitled1.py
Downloads         Pictures         untitled2.py
Library           Public
(base) Rahul-MacBook-Air:~ rahulgoel$ ls -lc
Music:
Music:
Public:
Drop Box
(base) Rahul-MacBook-Air:~ rahulgoel$ ls [rsk]i
ls: [rsk]i: No such file or directory
(base) Rahul-MacBook-Air:~ rahulgoel$ ls [a-g,o-s]et
ls: [a-g,o-s]et: No such file or directory
(base) Rahul-MacBook-Air:~ rahulgoel$ ls [a-g,o-s]et
ls: [a-g,o-s]et: No such file or directory
(base) Rahul-MacBook-Air:~ rahulgoel$ cat > s1.txt
que
ros
bet
^C
(base) Rahul-MacBook-Air:~ rahulgoel$ ls *.txt
s1.txt
(base) Rahul-MacBook-Air:~ rahulgoel$ ls [ax]cz
ls: [ax]cz: No such file or directory
(base) Rahul-MacBook-Air:~ rahulgoel$ cat > get
haa
lol
tor
pet
^C
(base) Rahul-MacBook-Air:~ rahulgoel$ cat > yet
kulo
patto
naple
^C
(base) Rahul-MacBook-Air:~ rahulgoel$ ls [gy]et
get  yet
(base) Rahul-MacBook-Air:~ rahulgoel$ wc l<get
^C
(base) Rahul-MacBook-Air:~ rahulgoel$ wc l <get
wc: l: open: No such file or directory
(base) Rahul-MacBook-Air:~ rahulgoel$ wc -l <get
wc: illegal option -- l
usage: wc [-clmw] [file ...]
(base) Rahul-MacBook-Air:~ rahulgoel$
```

