[CS242] OPERATING SYSTEMS

Αντρέας

Εντολή	Λειτουργία	Ερώτηση
pwd :	Displays the path name of the working directory.	(A1)
ls:	Displays the contents of a directory	(A2)
cd :	Changes the current directory	(A3)
Δώστε	pwd και σημειώστε τι εμφανίζεται/home/user	(A4)
~\$ pw /home,		
-a :_ Li	ουν οι παρακάτω παράμετροι στο ls ists all entries in the directory, including the entries that begin with a come to Cocalc.term-0.term'. bash_history .bash_profile .bashrc .gitconfig .gitexcludes .jupyter-blobs-v0.db .sage .smc .snapshots	
	μικρό") :_ Displays the mode, number of links, owner, group, size (in l modification for each file	•
~\$ ls total -rw <u>-</u> r-		
being f	rts with the primary key being file size (in decreasing order) and the s ile name in the collating sequence (in increasing	econdary key (A7)
~\$ ls 'Welco	-S ome to CoCalc.term'	

Βρείτε τι κάνουν οι παρακάτω εντολές

less:_ displays the contents of a file or a command output, one page at a time. It is similar to more, but has more advanced features and allows you to navigate both forward and backward through the file______(A8)

file: Determines the file type.

The file command reads the files specified by the File parameter or the FileList variable, performs a series of tests on each file, and attempts to classify them by

4. Χειρισμός αρχείων – Καταλόγων

Εντολή	Λειτουργία	Ερώτηση		
cp: Copies files (Copy source to DEST, or multiple SOURCE(s) to DIRECTORY) (
mv: Renam	ne SOURCE to DEST, or move SOURCE(s) to DIRECTORY	(A11)		
rm:	Removes (unlinks) files or directories.	(A12)		
mkdir:	Creates one or more new directories.	(A13)		
rmdir:	Removes a directory	(A14)		
Κατασκευάστε τον κατάλογο myfolder				
Ποια εντολή χρησιμοποιήσατε; mkdir myfolder (A15)				
~\$ mkdir myfolder				
Επιβεβαιώστε με				
Is –I				
Εμφανίζεται στην λίστα ο κατάλογος myfolder ;NAI(A16)				

```
~$ ls -l
total 1
-rw-r--r-- 1 user user 0 Mar 29 20:00 'Welcome to CoCalc.term'
drwxr-xr-x 2 user user 2 Mar 29 20:01 myfolder
Διαγράψτε τον κατάλογο myfolder
Ποια εντολή χρησιμοποιήσατε;_____ rmdir _____
                                                                     (A17)
~$ rmdir myfolder
~$ ls -l
total 1
-rw-r--r-- 1 user user 0 Mar 29 20:00 'Welcome to CoCalc.term'
Δημιουργήστε τον κατάλογο lab-name
Μέσα στον κατάλογο lab-name δημιουργήστε τον κατάλογο linux-midterm
Ποιες εντολές χρησιμοποιήσατε;_mkir, cd, mkdir_____
                                                                      (A18)
~$ mkdir lab-name
~$ cd lab-name
~/lab-name$ mkdir linux-midterm
```

5. Εισαγωγή στα σενάρια φλοιού

<u>Κώδικας:</u>

```
#!/bin/sh
myname="Test"
echo "Hello, $LOGNAME by $myname"
echo "Current date is `date`"
echo "Current directory `pwd`"
```

```
~$ chmod +x myfirst.sh
~$ ./myfirst.sh
Hello, by Test
Current date is Tue Mar 30 21:30:57 UTC 2021
Current directory /home/user
```

Κώδικας:

```
#!/bin/sh
var1="Hello"
myname="Andreas"
echo "$var1, $myname"

~$ chmod +x c1.sh
~$ ./c1.sh
Hello, Andreas
```

6. Μεταβλητές της γραμμής εντολών

(C2)

Κώδικας:

```
#!/bin/sh
var1=$1
echo "Hello $var1"
```

```
~$ chmod +x c2.sh
~$ ./c2.sh Neapolis
Hello Neapolis
~$ ./c2.sh Neapolis University
Hello Neapolis
```

Πώς μπορούμε να τροποποιήσουμε τον κώδικα για να εμφανίζει στην οθόνη μας και την λέξη University?

Κώδικας:

```
#!/bin/sh
var1=$2
echo "Hello $var1"

~$ chmod +x c2.sh
~$ ./c2.sh Neapolis University
Hello University
```

8. Συνθήκες

(C3)

Κώδικας:

```
#!/bin/sh
echo "What is your name;"
read name
if [ "$name" = "Andreas" ]; then
echo "Hello admin $name. How are you?"
elif [ "$name" = "" ] ; then
  echo "What is your name;"
  read name
  if [ "$name" = "Andreas" ]; then
  echo "Hello admin $name. How are you?"
  else
  echo "Who are you?"
  fi
else
echo "Who are you?"
fi
~$ chmod +x c3.sh
~$ ./c3.sh
What is your name;
Andreas
Hello admin Andreas. How are you?
~$ chmod +x c3.sh
~$ ./c3.sh
What is your name;
Antonis
Who are you?
```

```
~$ chmod +x c3.sh
~$ ./c3.sh
What is your name;
What is your name;
Andreas
Hello admin Andreas. How are you?
~$ chmod +x c3.sh
~$ ./c3.sh
What is your name;
What is your name;
Paulos
Who are you?
```

9. Βρόγχοι Ανατροφοδότησης

(C4)

11 Andreas 12 Andreas

```
Κώδικας:
#!/bin/sh
echo "Type your name:"
read name
echo "How many times want to print your name?"
read times
i=1
while [ "$i" -le $times ]
do
echo $i $name
i=`expr $i + 1`
done
~$ chmod +x c4.sh
~$ ./c4.sh
Type your name:
Andreas
How many times want to print your name?
12
1 Andreas
2 Andreas
3 Andreas
4 Andreas
5 Andreas
6 Andreas
7 Andreas
8 Andreas
9 Andreas
10 Andreas
```

Κώδικας:

```
#!/bin/sh
echo "Type your name:"
read name
echo "How many times want to print your name?"
read times
i=1
while [ "$i" -le $times ]
echo $i $name
i=`expr $i + 1`
  if [ "$i" = "6" -o "$i" = "11" -o "$i" = "16" -o "$i" = "21" ] ; then
    echo "Press Y,y for YES or N,n for NO:"
    read anwser
    if [ "$anwser" = "Y" -o "$anwser" = "y" ] ; then
    continue
    fi
    if [ "$anwser" = "N" -o "$anwser" = "n" ] ; then
    break
    fi
  fi
done
```

```
~$ chmod +x c5.sh
~$ ./c5.sh
Type your name:
Andreas
How many times want to print your name?
1 Andreas
2 Andreas
3 Andreas
4 Andreas
5 Andreas
Press Y,y for YES or N,n for NO:
6 Andreas
7 Andreas
8 Andreas
9 Andreas
10 Andreas
Press Y,y for YES or N,n for NO:
11 Andreas
12 Andreas
13 Andreas
14 Andreas
~$ chmod +x c5.sh
~$ ./c5.sh
Type your name:
Andreas
How many times want to print your name?
12
1 Andreas
2 Andreas
3 Andreas
4 Andreas
5 Andreas
Press Y,y for YES or N,n for NO:
6 Andreas
7 Andreas
8 Andreas
9 Andreas
10 Andreas
Press Y,y for YES or N,n for NO:
~$ chmod +x c5.sh
~$ ./c5.sh
Type your name:
Andreas
How many times want to print your name?
1 Andreas
2 Andreas
3 Andreas
5 Andreas
Press Y,y for YES or N,n for NO:
```