LAB 6

Next exam: Write a shell script that has to do something

Read from the keyboard, receive something

We will write some shell scripts

* Open a script file(shell-.sh)
* Start with in the file:

Nano start.sh

#!/bin/bash ->path for executing the code

echo “Hello world” ->equivalent to print

chmod +x start.h ->we have to execute the command to get permission to execute the shell file

->equivalent to ./start.sh ->execute

echo $# -rgs -> nr of elements

echo $@ ->print all the var

how to iterate in shell?? ->similar to python

for X in #@ ; do

echo $X ->prints all the elements in array

done

Text

Description automatically generated

->see all

Text

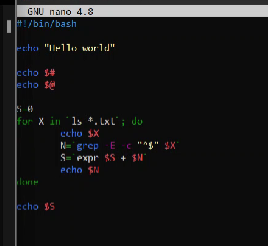
Description automatically generated

->count all the number of empty lines

grep -E “^ $“ text.txt ->return empty lines + name of a file

grep -E “^ $“ text.txt | wc -1 ->return the number of empty lines

grep -E -c “^ $“ text.txt ->equivalent to the above

 Text

Description automatically generated

->find all the file paths

Text

Description automatically generated

->the final correct version

Text

Description automatically generated

->skeleton for the for and if

-> if

#!/bin/bash

for I in $@ ; do

if test -f $I ; then

echo “$I is a file”

elif test -d $I ; then

echo “$I is a directory”

fi

done

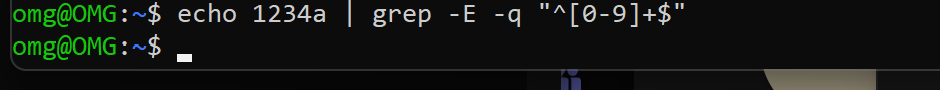
Text

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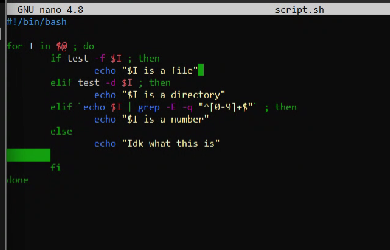
A screenshot of a computer

Description automatically generated with medium confidence

->quiet mode

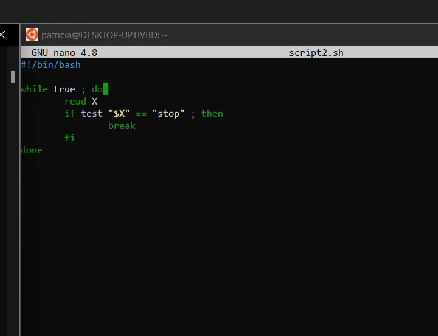
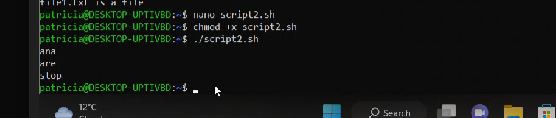


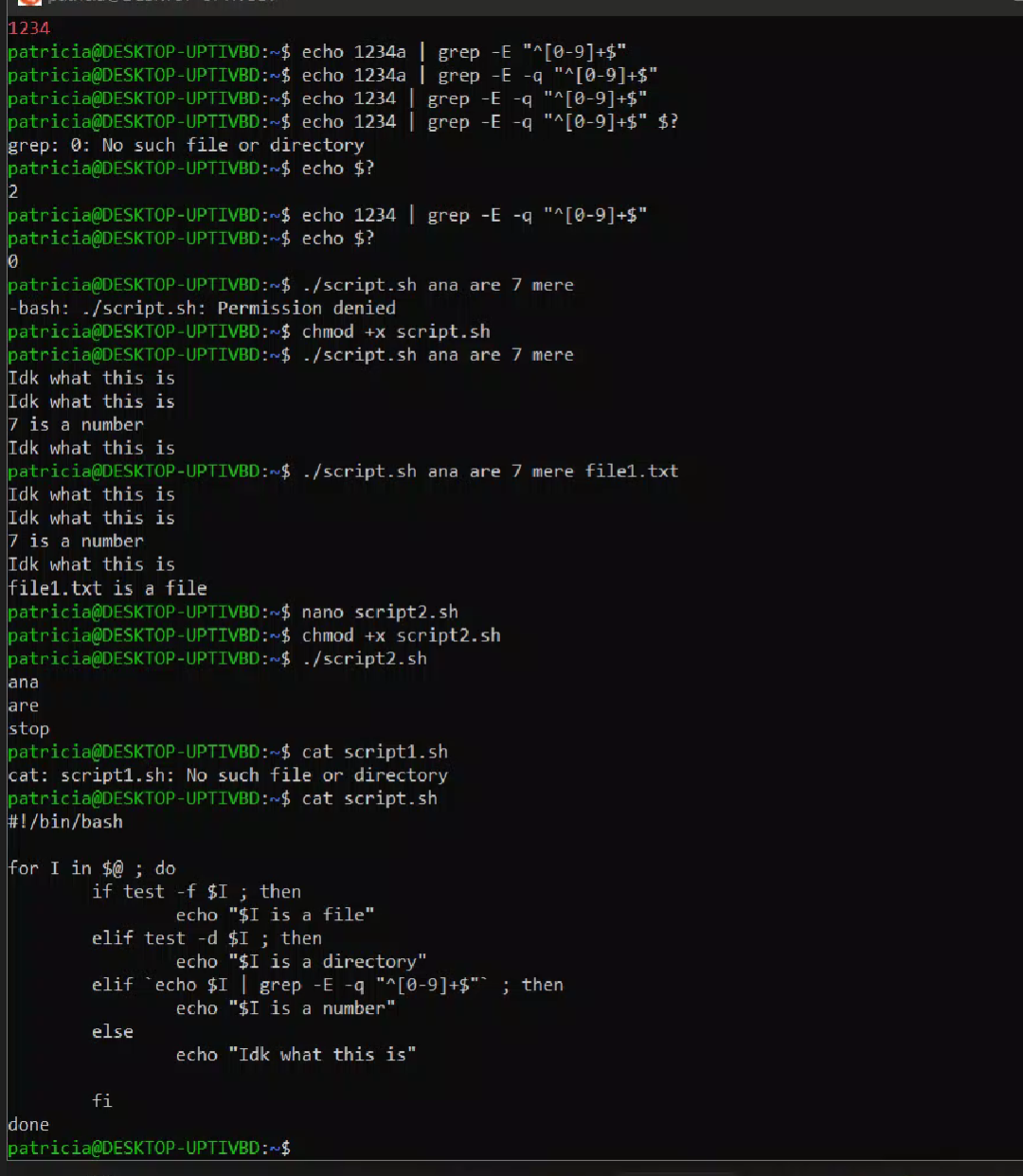
->echo $? -> the status of the last executed command

 A screenshot of a computer

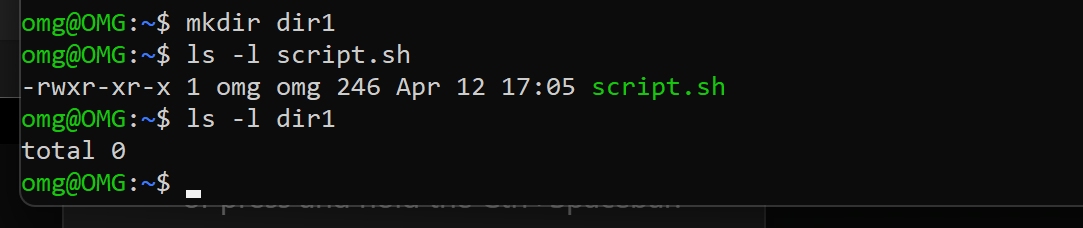
Description automatically generated with medium confidence

->read stuff from the keyboard



* Last problem
* Do some checks -> at least 1 argument
* Need the info for a file
* Create dir mkdir dir1



Text

Description automatically generated

->create a new file in directory

Touch dir/1.txt

Text

Description automatically generated



Text

Description automatically generated

Test -> expect grep, sed, awk, commands!!

Perform grep!!!

Awk-isolate

Shell scripting!!

Teaching notes 5.4 -all examples go through them