# **EXERCÍCIO 3**

## • Variables

## (janela de comando do "vim")

• Positional arguments:

• Output/Input redirection:

```
Terminal-matheus@xubuntu:~/tut_bash

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matheus@xubuntu:~/tut_bash$ echo Hello world! > hello.txt

matheus@xubuntu:~/tut_bash$ cat hello.txt

Hello world!

matheus@xubuntu:~/tut_bash$ echo Good day! > hello.txt

matheus@xubuntu:~/tut_bash$ cat hello.txt

Good day!

matheus@xubuntu:~/tut_bash$ echo Good day! >> hello.txt

matheus@xubuntu:~/tut_bash$ echo Good day! >> hello.txt

matheus@xubuntu:~/tut_bash$ echo Hello world! >> hello.txt

matheus@xubuntu:~/tut_bash$ cat hello.txt

matheus@xubuntu:~/tut_bash$ cat hello.txt

matheus@xubuntu:~/tut_bash$ cat hello.txt

matheus@xubuntu:~/tut_bash$ = cat hello.txt

matheus@xubuntu:~/tut_bash$ = cat hello.txt

matheus@xubuntu:~/tut_bash$ = cat hello.txt
```

## • Test operators:

#### • Case statements:

```
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#!/bin/bash

case ${1...} in matheus | administrator) echo "Hello, you are the boss!" ;; help)

echo "Enter your username!" ;; ;; echo "You're not the boss.. Enter a valid username"

esac

:wu
```

```
Terminal - matheus@xubuntu:~/tut_bash

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matheus@xubuntu:~/tut_bash$ vim login.sh

matheus@xubuntu:~/tut_bash$ ./login.sh matheus

Hello, you are the boss!

matheus@xubuntu:~/tut_bash$ ./login.sh help

Enter your username!

matheus@xubuntu:~/tut_bash$ ./login.sh user

You're not the boss. Enter a valid username

matheus@xubuntu:~/tut_bash$ ./login.sh administrator

Hello, you are the boss!

matheus@xubuntu:~/tut_bash$

matheus@xubuntu:~/tut_bash$
```

## • Arrays:

```
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matheus@xubuntu:~/tut_bash$ MY_FIRST_LIST=(um dois tres quatro cinco)

matheus@xubuntu:~/tut_bash$ echo $MY_FIRST_LIST

um

matheus@xubuntu:~/tut_bash$ echo ${MY_FIRST_LIST[@]}}

um dois tres quatro cinco

matheus@xubuntu:~/tut_bash$ echo ${MY_FIRST_LIST[@]}}

um

matheus@xubuntu:~/tut_bash$ echo ${MY_FIRST_LIST[@]}}

um

matheus@xubuntu:~/tut_bash$ echo ${MY_FIRST_LIST[]}}

dois

matheus@xubuntu:~/tut_bash$

matheus@xubuntu:~/tut_bash$

matheus@xubuntu:~/tut_bash$
```

## • For loop:

## • Functions:

```
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matheus@xubuntu:~/tut_bash$ vim functionposargu.sh
matheus@xubuntu:~/tut_bash$ vim functionposargu.sh
matheus@xubuntu:~/tut_bash$ chmod u+x functionposargu.sh
matheus@xubuntu:~/tut_bash$ ./functionposargu.sh
hello matheus
matheus@xubuntu:~/tut_bash$ ./functionposargu.sh
```

#### • Exit codes:

```
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#!/bin/bash
showname(){
    echo hello $1
    if [ ${1,,} = matheus ]; then
        return 0
    else
        return 1

fi
}
showname $1
if [ $?? = 1 ]; then
    echo "Alguem desconhecido usou a funcao!"

-- INSERT --
```

```
Terminal - matheus@xubuntu:~/tut_bash - + x

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matheus@xubuntu:~/tut_bash$ vim functionposargu.sh
matheus@xubuntu:~/tut_bash$ ./functionposargu.sh jorge
hello jorge
Alguem desconhecido usou a funcao!
matheus@xubuntu:~/tut_bash$ ./functionposargu.sh matheus
hello matheus
matheus@xubuntu:~/tut_bash$ ./functionposargu.sh matheus
matheus@xubuntu:~/tut_bash$ ...
```