**UD.12 Activities - w2**

**Exercise 1**

Create a script 🡪 *touch password.sh*

assign execute permissions 🡪 *chmod ug+x password.sh*

open and edit the script 🡪 *nano password.sh*

Add the following content:

#! /usr/bin/env bash

PASSW=”password123”

while :

do

read -p “Enter a password:” CONTR

if [ “$PASSW” = “$CONTR” ]; then

break

fi

done

echo “Correct password!”

To execute it *🡪 ./password.sh* 🡪 funciona perfectamente!

**Exercise 2**

Create a script 🡪 *touch integer.sh*

assign execute permissions 🡪 *chmod ug+x integer.sh*

open and edit the script 🡪 *nano integer.sh*

Add the following content:

#! /usr/bin/env bash

if [[ “$1” > “$2” ]]; then

echo “Error, the first number is greater than the second”

exit 1

fi

for number in $(seq “$1” “$2”)

do

echo $number

done

To execute it *🡪 ./integer.sh 4 8* 🡪 funciona perfectamente!

**Exercise 3**

Create a script 🡪 *touch suma.sh*

assign execute permissions 🡪 *chmod ug+x suma.sh*

open and edit the script 🡪 *nano suma.sh*

Add the following content:

#! /usr/bin/env bash

SUM=0

while :

do

read -p “Enter a number: ” NUMBER

if [[ “$NUMBER” < 0 ]]; then

echo “Program ended”

break

fi

let SUM+=NUMBER

done

echo “The total value is $SUM”

To execute it 🡪 ./suma.sh

**Exercise 4**

Create a script 🡪 *touch triangle.sh*

assign execute permissions 🡪 *chmod ug+x triangle.sh*

open and edit the script 🡪 *nano triangle.sh*

Add the following content:

#! /usr/bin/env bash

AST=1

for (( i = 0 ; i < “$1” ; i++ )); do

for (( j = 0 ; j < “$AST” ; j++ )); do

echo -n \\* 🡪 el -n hace que echo imprima en la misma linea

done

echo 🡪 para cambiar de linea

let AST+=1

done

To execute it 🡪 ./triangle.sh 4

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Description automatically generated with medium confidence

Exercise 5

#! /usr/bin/env bash

while read line; do

COUNT=$(echo “$line” | grep -o -w “$2” | wc -l)

echo “$COUNT”: “$line”

done < “$1”

To execute it 🡪 ./lector.sh foo.txt potato

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