

Tarea 3

Nombre: Slendy Alvarado

Tarea en clase:

```
MINGW64~/Users/ASUS/documents/CSB-master/unix/data/saavedra2013
ASUS@DESKTOP-NAR6SB2 MINGW64 ~/documents/CSB-master/unix/sandbox
$ ./condicional.sh
cat condicional.sh
#!/bin/bash

edad=20
if [ $edad -lt 18 ]
then
    echo "no ingresa a la galleria"
else
    echo "libre ingreso"
fi

libre ingreso
ASUS@DESKTOP-NAR6SB2 MINGW64 ~/documents/CSB-master/unix/sandbox
$ AC
ASUS@DESKTOP-NAR6SB2 MINGW64 ~/documents/CSB-master/unix/sandbox
$ nano condicional.sh
ASUS@DESKTOP-NAR6SB2 MINGW64 ~/documents/CSB-master/unix/sandbox
$ ./condicional.sh 12
cat condicional.sh
#!/bin/bash

edad=$1
if [ $edad -lt 18 ]
then
    echo "no ingresa a la galleria"
else
    echo "libre ingreso"
fi

no ingresa a la galleria
```

```
MINGW64~/Users/ASUS/documents/CSB-master/unix/data/saavedra2013
ASUS@DESKTOP-NAR6SB2 MINGW64 ~/documents/CSB-master/unix/sandbox
$ cp condicional.sh while.sh
ASUS@DESKTOP-NAR6SB2 MINGW64 ~/documents/CSB-master/unix/sandbox
$ nano condicional.sh
ASUS@DESKTOP-NAR6SB2 MINGW64 ~/documents/CSB-master/unix/sandbox
$ ./while.sh 12 "Menor que el valor 18"
#!/bin/bash

edad=$1
while [ $edad -lt 18 ]
do
    echo "$edad"
    echo $2
    edad=$((edad+2))
done

no ingresa a la galleria
ASUS@DESKTOP-NAR6SB2 MINGW64 ~/documents/CSB-master/unix/sandbox
$ cat while.sh
cat condicional.sh
#!/bin/bash

edad=$1
if [ $edad -lt 18 ]
then
    echo "no ingresa a la galleria"
else
    echo "libre ingreso"
fi
```

```
MINGW64/c/Users/ASUS/documents/CSB-master/unix/data/saavedra2013
ASUS@DESKTOP-NAR6SB2 MINGW64 ~/documents/CSB-master/unix/sandbox
$ ./while.sh -4 "Lo que sea" 60 4
La edad es -4
Lo que sea
La edad es 0
Lo que sea
La edad es 4
Lo que sea
La edad es 8
Lo que sea
La edad es 12
Lo que sea
La edad es 16
Lo que sea
La edad es 20
Lo que sea
La edad es 24
Lo que sea
La edad es 28
Lo que sea
La edad es 32
Lo que sea
La edad es 36
Lo que sea
La edad es 40
Lo que sea
La edad es 44
Lo que sea
La edad es 48
Lo que sea
La edad es 52
Lo que sea
La edad es 56
Lo que sea
```

```
MINGW64/c/Users/ASUS/documents/CSB-master/unix/data/saavedra2013
ASUS@DESKTOP-NAR6SB2 MINGW64 ~/documents/CSB-master/unix/sandbox
$ cat until.sh
#!/bin/bash

edad=$1
mensaje=$2
until [ $edad -gt $3 ]
do
    echo "La edad es $edad, $mensaje"
    edad=$(( edad+$4 ))
done

ASUS@DESKTOP-NAR6SB2 MINGW64 ~/documents/CSB-master/unix/sandbox
$ ./until.sh -4 "Lo que sea" 60 4

ASUS@DESKTOP-NAR6SB2 MINGW64 ~/documents/CSB-master/unix/sandbox
$ ./while.sh -4 "mensaje" 60 4
La edad es -4
mensaje
La edad es 0
mensaje
La edad es 4
mensaje
La edad es 8
mensaje
La edad es 12
mensaje
La edad es 16
mensaje
La edad es 20
mensaje
La edad es 24
mensaje
```

```
MINGW64/c/Users/ASUS/documents/CSB-master/unix/data/saavedra2013
ASUS@DESKTOP-NAR6SB2 MINGW64 ~/documents/CSB-master/unix/sandbox
$ cat for.sh
#!/bin/bash

for i in 2 4 6 7 8
do
    x=$((i*3))
    echo "valor $i, triple $x"
done

ASUS@DESKTOP-NAR6SB2 MINGW64 ~/documents/CSB-master/unix/sandbox
$ ./for.sh
valor 2, triple 6
valor 4, triple 12
valor 6, triple 18
valor 7, triple 21
valor 8, triple 24

ASUS@DESKTOP-NAR6SB2 MINGW64 ~/documents/CSB-master/unix/sandbox
$ nano for.sh

ASUS@DESKTOP-NAR6SB2 MINGW64 ~/documents/CSB-master/unix/sandbox
$ cat for.sh
#!/bin/bash

for i in 2 4 6 7 8
do
    x=$((i*3))
    echo "valor $i, triple $x"
done
```

```
MINGW64/c/Users/ASUS/documents/CSB-master/unix/data/saavedra2013
ASUS@DESKTOP-NAR6SB2 MINGW64 ~/documents/CSB-master/unix/sandbox
$ nano for.sh

ASUS@DESKTOP-NAR6SB2 MINGW64 ~/documents/CSB-master/unix/sandbox
$ ./for.sh
primera forma
valor 2, cubo 8
valor 4, cubo 64
valor 6, cubo 216
valor 7, cubo 343
valor 8, cubo 512
segunda forma
valor 1, cubo 1
valor 4, cubo 64
valor 7, cubo 343
valor 10, cubo 1000
valor 13, cubo 2197
valor 16, cubo 4096
valor 19, cubo 6859
valor 22, cubo 10648
valor 25, cubo 15625
tercera forma
valor 10, cubo 1000
valor 11, cubo 1331
valor 12, cubo 1728
valor 13, cubo 2197
valor 14, cubo 2744
valor 15, cubo 3375
valor 16, cubo 4096
valor 17, cubo 4913
valor 18, cubo 5832
valor 19, cubo 6859
valor 20, cubo 8000
valor 21, cubo 9261
valor 22, cubo 10648
valor 23, cubo 12167
```

```
MINGW64/c/Users/ASUS/documents/CSB-master/unix/data/saavedra2013
valor 96, cubo 884736
valor 97, cubo 912673
valor 98, cubo 941192
valor 99, cubo 970299
valor 100, cubo 1000000

ASUS@DESKTOP-NAR6SB2 MINGW64 ~/documents/CSB-master/unix/sandbox
$ cat for.sh
#!/bin/bash
echo "primera forma"
for i in 2 4 6 7 8
do
    x=$(( i**3 ))
    echo "valor $i, cubo $x"
done

echo "segunda forma"
for i in {1..25..3}
do
    x=$(( i**3 ))
    echo "valor $i, cubo $x"
done

echo "tercera forma"
for (( i=10; i<101; i++ ))
do
    x=$(( i**3 ))
    echo "valor $i, cubo $x"
done
```

```
MINGW64/c/Users/ASUS/documents/CSB-master/unix/data/saavedra2013
ASUS@DESKTOP-NAR6SB2 MINGW64 ~/documents/CSB-master/unix/data/miRNA
$ for file in *.fasta; do head -n 2 $file; done
>ggo-miR-31 MIMAT0002381
GGCAAGAUGCUGGCAUAGCUG
>hsa-miR-576-3p MIMAT0004796
AAGAUGUGGAAAAUUGGAAUC
>ppa-miR-15a MIMAT0002646
UAGCAGCACAUAAUGGUUUGUG
>ppy-miR-569 MIMAT0016013
AGUUAUGAAUCCUGGAAAGU
>ptr-miR-224 MIMAT0002595
CAAGUCACUAGUGGUCCGUUUA
>ssy-miR-514 MIMAT0005761
AUUGACACUUCUGUGAGUAG

ASUS@DESKTOP-NAR6SB2 MINGW64 ~/documents/CSB-master/unix/data/miRNA
$ for file in *.fasta; do head -n 2 $file | wc; done
  2      3      47
  2      3      52
  2      3      49
  2      3      48
  2      3      50
  2      3      47

ASUS@DESKTOP-NAR6SB2 MINGW64 ~/documents/CSB-master/unix/data/miRNA
$ for file in *.fasta; do head -n 2 $file | wc; done^C
$ ^C

ASUS@DESKTOP-NAR6SB2 MINGW64 ~/documents/CSB-master/unix/data/miRNA
$ for file in p*.fasta ; do head -n 5 $file | cut -d ">" -f 1; done
UAGCAGCACAUAAUGGUUUGUG
AAAGUGCUGUUCUGGCAGGUAG
```

Tarea 3

Parte 1 : Columnas y filas

```
MINGW64/c/Users/ASUS/documents/GitHub/Tarea3/Saavedra2013
$ bash netsize.sh *.fast
Slendy Alvarado
*.fast
Numero de Filas:
Cat: '*.fast': No such file or directory
wc: unknown option -- 1
Try 'wc --help' for more information.
Numero de columnas:
head: cannot open '*.fast' for reading: No such file or directory
tr: extra operand '*'
Only one string may be given when deleting without squeezing repeats.
Try 'tr --help' for more information.
0

ASUSDESKTOP-NAR65B2 MINGW64 ~/documents/GitHub/Tarea3/Saavedra2013 (main)
$ bash netsize.sh n1.txt
Slendy Alvarado
n1.txt
Numero de Filas:
wc: unknown option -- 1
Try 'wc --help' for more information.
Numero de columnas:
tr: extra operand '*'
Only one string may be given when deleting without squeezing repeats.
Try 'tr --help' for more information.
0

ASUSDESKTOP-NAR65B2 MINGW64 ~/documents/GitHub/Tarea3/Saavedra2013 (main)
$ nano netsize.sh

ASUSDESKTOP-NAR65B2 MINGW64 ~/documents/GitHub/Tarea3/Saavedra2013 (main)
$ bash netsize.sh n1.txt
Slendy Alvarado
n1.txt
Numero de Filas:
97
Numero de columnas:
81

ASUSDESKTOP-NAR65B2 MINGW64 ~/documents/GitHub/Tarea3/Saavedra2013 (main)
$ cat netsize_all.sh
cat: netsize_all.sh: No such file or directory

ASUSDESKTOP-NAR65B2 MINGW64 ~/documents/GitHub/Tarea3/Saavedra2013 (main)
$ nano netsize_all.sh

ASUSDESKTOP-NAR65B2 MINGW64 ~/documents/GitHub/Tarea3/Saavedra2013 (main)
$ bash netsize_all.sh
n1.txt 97 81
```

Parte2: conteo de los archivos txt

```
MINGW64/c/Users/ASUS/documents/GitHub/Tarea3/Saavedra2013
ASUSDESKTOP-NAR65B2 MINGW64 ~/documents/GitHub/Tarea3/Saavedra2013 (main)
$ nano netsize_all.sh

ASUSDESKTOP-NAR65B2 MINGW64 ~/documents/GitHub/Tarea3/Saavedra2013 (main)
$ bash netsize_all.sh
n1.txt 97 81
n10.txt 14 21
n11.txt 270 92
n12.txt 7 73
n13.txt 61 18
n14.txt 35 16
n15.txt 38 12
n16.txt 118 25
n17.txt 76 32
n18.txt 13 15
n19.txt 10 17
n2.txt 62 42
n20.txt 18 8
n21.txt 19 46
n22.txt 19 37
n23.txt 178 27
n24.txt 80 29
n25.txt 17 17
n26.txt 82 41
n27.txt 27 6
n28.txt 90 20
n29.txt 61 26
n3.txt 25 37
n30.txt 8 20
n31.txt 28 26
n32.txt 45 22
n33.txt 70 21
n34.txt 79 26
n35.txt 14 9
n36.txt 40 170
n37.txt 44 14
n38.txt 51 100
n39.txt 33 26
n4.txt 101 12
n40.txt 28 19
n41.txt 12 11
n42.txt 42 9
n43.txt 55 30
n44.txt 56 10
n45.txt 36 62
n46.txt 58 18
n47.txt 139 42
n48.txt 118 50
n49.txt 47 24
```