

Universidad Regional Amazónica Ikiam

Bioinformática (GBI6)

Evidencias de la actividad TC1\_Unix

Nombre: Josué Leonardo Chango Gómez

Grupo: 02

Fecha: 27/04/2023

MINGW64:/c/Users/TOSHIBA/Downloads/CSB-master/CSB-master/unix/data

```
TOSHIBA@DESKTOP-MSHF1G3 MINGW64 ~
$ echo "Nombre: Josue Leonardo Chango Gomez"
Nombre: Josue Leonardo Chango Gomez

TOSHIBA@DESKTOP-MSHF1G3 MINGW64 ~
$ cd Downloads/CSB-master/CSB-master/unix/data

TOSHIBA@DESKTOP-MSHF1G3 MINGW64 ~/Downloads/CSB-master/CSB-master/unix/data
$ ls
Buzzard2015_about.txt      Marra2014_about.txt      Saavedra2013/
Buzzard2015_data.csv      Marra2014_data.fasta     Saavedra2013_about.txt
Gesquiere2011_about.txt   Pacifici2013_about.txt   miRNA/
Gesquiere2011_data.csv    Pacifici2013_data.csv

TOSHIBA@DESKTOP-MSHF1G3 MINGW64 ~/Downloads/CSB-master/CSB-master/unix/data
$ nano Bashscript.sh

TOSHIBA@DESKTOP-MSHF1G3 MINGW64 ~/Downloads/CSB-master/CSB-master/unix/data
$ ls
Bashscript.sh*            Gesquiere2011_data.csv   Pacifici2013_data.csv
Buzzard2015_about.txt     Marra2014_about.txt     Saavedra2013/
Buzzard2015_data.csv      Marra2014_data.fasta    Saavedra2013_about.txt
Gesquiere2011_about.txt   Pacifici2013_about.txt   miRNA/

TOSHIBA@DESKTOP-MSHF1G3 MINGW64 ~/Downloads/CSB-master/CSB-master/unix/data
$ cat Bashscript.sh
#!/bin/bash
echo "Se va a utilizar el comando nano para realizar un bash script"

tail -n +2 Pacifici2013_data.csv | cut -d ";" -f 2-6 | tr ";" " " | sort -r -n -k 6 > Orden.csv

TOSHIBA@DESKTOP-MSHF1G3 MINGW64 ~/Downloads/CSB-master/CSB-master/unix/data
$ bash Bashscript.sh
Se va a utilizar el comando nano para realizar un bash script

TOSHIBA@DESKTOP-MSHF1G3 MINGW64 ~/Downloads/CSB-master/CSB-master/unix/data
$ ls
Bashscript.sh*            Gesquiere2011_data.csv   Pacifici2013_about.txt   miRNA/
Buzzard2015_about.txt     Marra2014_about.txt     Pacifici2013_data.csv
Buzzard2015_data.csv      Marra2014_data.fasta    Saavedra2013/
Gesquiere2011_about.txt   Orden.csv                Saavedra2013_about.txt
```

MINGW64:/c/Users/TOSHIBA/Downloads/CSB-master/CSB-master/unix/data

```
GNU nano 7.2 Bashscript.sh
#!/bin/bash
echo "Se va a utilizar el comando nano para realizar un bash script"

tail -n +2 Pacifici2013_data.csv | cut -d ";" -f 2-6 | tr ";" " " | sort -r -n -k 6 > Orden.csv
```

MINGW64:/c:/Users/TOSHIBA/Downloads/CSB-master/CSB-master/unix/data

```
TOSHIBA@DESKTOP-MSHF1G3 MINGW64 ~/Downloads/CSB-master/CSB-master/unix/data
$ ls
Bashscript.sh*      Gesquiere2011_data.csv  Pacifici2013_about.txt  mirNA/
Buzzard2015_about.txt  Marra2014_about.txt    Pacifici2013_data.csv
Buzzard2015_data.csv  Marra2014_data.fasta   Saavedra2013/
Gesquiere2011_about.txt Orden.csv               Saavedra2013_about.txt

TOSHIBA@DESKTOP-MSHF1G3 MINGW64 ~/Downloads/CSB-master/CSB-master/unix/data
$ grep Vombatidae Orden.csv
Diprotodontia Vombatidae Lasiorhinus Lasiorhinus krefftii 31849.99
Diprotodontia Vombatidae Lasiorhinus Lasiorhinus latifrons 26163.8
Diprotodontia Vombatidae Vombatus Vombatus ursinus 26000

TOSHIBA@DESKTOP-MSHF1G3 MINGW64 ~/Downloads/CSB-master/CSB-master/unix/data
$ grep -c Vombatidae Orden.csv
3

TOSHIBA@DESKTOP-MSHF1G3 MINGW64 ~/Downloads/CSB-master/CSB-master/unix/data
$ grep -w Bos Orden.csv
Cetartiodactyla Bovidae Bos Bos sauveli 791321.8
Cetartiodactyla Bovidae Bos Bos gaurus 721000
Cetartiodactyla Bovidae Bos Bos mutus 650000
Cetartiodactyla Bovidae Bos Bos javanicus 635974.3

TOSHIBA@DESKTOP-MSHF1G3 MINGW64 ~/Downloads/CSB-master/CSB-master/unix/data
$ grep -i Vombatidae Orden.csv
Diprotodontia Vombatidae Lasiorhinus Lasiorhinus krefftii 31849.99
Diprotodontia Vombatidae Lasiorhinus Lasiorhinus latifrons 26163.8
Diprotodontia Vombatidae Vombatus Vombatus ursinus 26000

TOSHIBA@DESKTOP-MSHF1G3 MINGW64 ~/Downloads/CSB-master/CSB-master/unix/data
$ grep -i Bos Orden.csv
Proboscidea Elephantidae Loxodonta Loxodonta africana 3824540
Proboscidea Elephantidae Elephas Elephas maximus 3269794
Cetartiodactyla Bovidae Bos Bos sauveli 791321.8
Cetartiodactyla Bovidae Bos Bos gaurus 721000
Cetartiodactyla Bovidae Bos Bos mutus 650000
Cetartiodactyla Bovidae Bos Bos javanicus 635974.3
Cetartiodactyla Bovidae Ovibos Ovibos moschatus 312500
Cetartiodactyla Bovidae Boselaphus Boselaphus tragocamelus 182253
Macroscelidea Macroscelididae Macroscelides Macroscelides proboscideus 38.64
Rodentia Cricetidae Neacomys Neacomys dubosti 17.9566666667

TOSHIBA@DESKTOP-MSHF1G3 MINGW64 ~/Downloads/CSB-master/CSB-master/unix/data
$ grep "Gorilla gorilla" Orden.csv
Primates Hominidae Gorilla Gorilla gorilla 112589

TOSHIBA@DESKTOP-MSHF1G3 MINGW64 ~/Downloads/CSB-master/CSB-master/unix/data
$ grep -n "Gorilla gorilla" Orden.csv
164:Primates Hominidae Gorilla Gorilla gorilla 112589
```

MINGW64:/c/Users/TOSHIBA/Downloads/CSB-master/CSB-master/unix/data

```
TOSHIBA@DESKTOP-MSHF1G3 MINGW64 ~/Downloads/CSB-master/CSB-master/unix/data
$ find ../data | wc -l
81
```

```
TOSHIBA@DESKTOP-MSHF1G3 MINGW64 ~/Downloads/CSB-master/CSB-master/unix/data
$ find ../data -name "n30.txt"
../data/Saavedra2013/n30.txt
```

```
TOSHIBA@DESKTOP-MSHF1G3 MINGW64 ~/Downloads/CSB-master/CSB-master/unix/data
$ find ../data -iname "*about*"
../data/Buzzard2015_about.txt
../data/Gesquiere2011_about.txt
../data/Marra2014_about.txt
../data/miRNA/miRNA_about.txt
../data/miRNA/miR_about.txt
../data/Pacifici2013_about.txt
../data/Saavedra2013_about.txt
```

```
TOSHIBA@DESKTOP-MSHF1G3 MINGW64 ~/Downloads/CSB-master/CSB-master/unix/data
$ find ../data -name "*.txt" | wc -l
66
```

```
TOSHIBA@DESKTOP-MSHF1G3 MINGW64 ~/Downloads/CSB-master/CSB-master/unix/data
$ find ../data -maxdepth 1 -name "*.txt" | wc -l
5
```

```
TOSHIBA@DESKTOP-MSHF1G3 MINGW64 ~/Downloads/CSB-master/CSB-master/unix/data
$ find ../data -not -name "*about*" | wc -l
74
```

```
TOSHIBA@DESKTOP-MSHF1G3 MINGW64 ~/Downloads/CSB-master/CSB-master/unix/data
$ find ../data -type d
../data
../data/miRNA
../data/Saavedra2013
```

```
TOSHIBA@DESKTOP-MSHF1G3 MINGW64 ~/Downloads/CSB-master/CSB-master/unix/data
$ echo "Esta actividad fue hecha por Josue Leonardo Chango Gomez"
Esta actividad fue hecha por Josue Leonardo Chango Gomez
```