

Nombre: Esteban Vega

Ejercicio_1-10-1

```
lenovo@LAPTOP-J497TRQ1 MINGW64 ~  
$ cd Downloads/CSB-master/unix/sandbox/  
  
lenovo@LAPTOP-J497TRQ1 MINGW64 ~/Downloads/CSB-master/unix/sandbox  
$ ls -lh ../data/Marra2014_data.fasta  
-rw-r--r-- 1 lenovo 197609 553K Jan 28 2019 ../data/Marra2014_data.fasta  
  
lenovo@LAPTOP-J497TRQ1 MINGW64 ~/Downloads/CSB-master/unix/sandbox  
$ cp ../data/Marra2014_data.fasta my_fila.fasta  
  
lenovo@LAPTOP-J497TRQ1 MINGW64 ~/Downloads/CSB-master/unix/sandbox  
$ ls  
BodyM2.csv 'Papers and reviews/' extractBodyM.sh my_fila.fasta  
  
lenovo@LAPTOP-J497TRQ1 MINGW64 ~/Downloads/CSB-master/unix/sandbox  
$ nano Ejercicio_1-10-1.sh  
  
lenovo@LAPTOP-J497TRQ1 MINGW64 ~/Downloads/CSB-master/unix/sandbox  
$ bash Ejercicio_1-10-1.sh  
-rw-r--r-- 1 lenovo 197609 553K Jan 28 2019 ../data/Marra2014_data.fasta  
0  
cat: my: No such file or directory  
cat: fila.fasta: No such file or directory  
0  
  
lenovo@LAPTOP-J497TRQ1 MINGW64 ~/Downloads/CSB-master/unix/sandbox  
$ nano Ejercicio2_1_10_1.sh  
  
lenovo@LAPTOP-J497TRQ1 MINGW64 ~/Downloads/CSB-master/unix/sandbox  
$ bash Ejercicio2_1_10_1.sh  
-rw-r--r-- 1 lenovo 197609 553K Jan 28 2019 ../data/Marra2014_data.fasta  
0  
0  
  
lenovo@LAPTOP-J497TRQ1 MINGW64 ~/Downloads/CSB-master/unix/sandbox  
$
```

Ejercicio_1-10-2

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```
lenovo@LAPTOP-J497TRQ1 MINGW64 ~/Downloads/CSB-master/unix/sandbox
$ cd

lenovo@LAPTOP-J497TRQ1 MINGW64 ~
$ cd Downloads/CSB-master/unix/

lenovo@LAPTOP-J497TRQ1 MINGW64 ~/Downloads/CSB-master/unix
$ nano Ejercicio_1-10-2.sh

lenovo@LAPTOP-J497TRQ1 MINGW64 ~/Downloads/CSB-master/unix
$ nano Conteo_Ejercicio_1-10-2.sh

lenovo@LAPTOP-J497TRQ1 MINGW64 ~/Downloads/CSB-master/unix
$ bash Ejercicio_1-10-2.sh
61
cut: data/: Is a directory
cut: Gesquiere2011_data.csv: No such file or directory
0
ID: 1 conteo: 10
ID: 2 conteo: 2
ID: 3 conteo: 61
ID: 4 conteo: 46
ID: 5 conteo: 28
ID: 6 conteo: 7
ID: 7 conteo: 5
ID: 8 conteo: 17
ID: 9 conteo: 4
ID: 10 conteo: 21
ID: 11 conteo: 26
ID: 12 conteo: 23
ID: 13 conteo: 16
ID: 14 conteo: 1
ID: 15 conteo: 40
ID: 16 conteo: 31
ID: 17 conteo: 3
ID: 18 conteo: 4
ID: 19 conteo: 3
ID: 20 conteo: 4
ID: 21 conteo: 12
ID: 22 conteo: 5
ID: 23 conteo: 36
ID: 24 conteo: 35
ID: 25 conteo: 35
ID: 26 conteo: 22
ID: 27 conteo: 5
ID: 29 conteo: 33
ID: 30 conteo: 63
ID: 31 conteo: 1
```

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```
ID: 31 conteo: 1
ID: 32 conteo: 3
ID: 33 conteo: 1
ID: 34 conteo: 16
ID: 35 conteo: 5
ID: 36 conteo: 39
ID: 37 conteo: 38
ID: 38 conteo: 1
ID: 39 conteo: 3
ID: 40 conteo: 32
ID: 41 conteo: 53
ID: 42 conteo: 5
ID: 43 conteo: 2
ID: 44 conteo: 56
ID: 45 conteo: 1
ID: 46 conteo: 24
ID: 47 conteo: 34
ID: 48 conteo: 23
ID: 49 conteo: 19
ID: 50 conteo: 21
ID: 51 conteo: 25
ID: 52 conteo: 6
ID: 53 conteo: 3
ID: 54 conteo: 22
ID: 55 conteo: 20
ID: 56 conteo: 41
ID: 57 conteo: 46
ID: 58 conteo: 1
ID: 59 conteo: 25
ID: 60 conteo: 51
ID: 61 conteo: 20
ID: 62 conteo: 13
ID: 63 conteo: 35
ID: 64 conteo: 34
ID: 65 conteo: 38
ID: 66 conteo: 20
ID: 67 conteo: 1
ID: 68 conteo: 10
ID: 69 conteo: 22
ID: 70 conteo: 33
ID: 71 conteo: 5
ID: 72 conteo: 2
ID: 73 conteo: 10
ID: 74 conteo: 1
ID: 75 conteo: 15
ID: 76 conteo: 39
ID: 77 conteo: 2
ID: 78 conteo: 29
ID: 79 conteo: 4
```

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Ejercicio_1-10-3

```
lenovo@LAPTOP-J497TRQ1 MINGW64 ~/Downloads/CSB-master/unix
$ cd data/Saavedra2013

lenovo@LAPTOP-J497TRQ1 MINGW64 ~/Downloads/CSB-master/unix/data/Saavedra2013
$ touch netsize.sh
bash: touch: command not found

lenovo@LAPTOP-J497TRQ1 MINGW64 ~/Downloads/CSB-master/unix/data/Saavedra2013
$ touch netsize.sh

lenovo@LAPTOP-J497TRQ1 MINGW64 ~/Downloads/CSB-master/unix/data/Saavedra2013
$ fila='wc -l < n1.txt'

lenovo@LAPTOP-J497TRQ1 MINGW64 ~/Downloads/CSB-master/unix/data/Saavedra2013
$ echo " El numero de filas y columnas de n1.txt son $filas, $columnas." >> netsize.txt

lenovo@LAPTOP-J497TRQ1 MINGW64 ~/Downloads/CSB-master/unix/data/Saavedra2013
$ bash netsize.sh

lenovo@LAPTOP-J497TRQ1 MINGW64 ~/Downloads/CSB-master/unix/data/Saavedra2013
$ ls
n1.txt    n16.txt  n22.txt  n29.txt  n35.txt  n41.txt  n48.txt  n54.txt  n7.txt
n10.txt   n17.txt  n23.txt  n3.txt   n36.txt  n42.txt  n49.txt  n55.txt  n8.txt
n11.txt   n18.txt  n24.txt  n30.txt  n37.txt  n43.txt  n5.txt   n56.txt  n9.txt
n12.txt   n19.txt  n25.txt  n31.txt  n38.txt  n44.txt  n50.txt  n57.txt  netsize.sh
n13.txt   n2.txt   n26.txt  n32.txt  n39.txt  n45.txt  n51.txt  n58.txt  netsize.txt
n14.txt   n20.txt  n27.txt  n33.txt  n4.txt   n46.txt  n52.txt  n59.txt
n15.txt   n21.txt  n28.txt  n34.txt  n40.txt  n47.txt  n53.txt  n6.txt

lenovo@LAPTOP-J497TRQ1 MINGW64 ~/Downloads/CSB-master/unix/data/Saavedra2013
$ touch netsize_all.sh

lenovo@LAPTOP-J497TRQ1 MINGW64 ~/Downloads/CSB-master/unix/data/Saavedra2013
$ for archivo in *.txt;
> do
> numero_fila='cat $archivo | wc -l'
> numero_columnas='head -n 1 $archivo |tr -d " "|tr -d " " | tr -d "\n" | wc -c'
> echo "El numero de filas y columnas de $archivo son: $numero_fila, $numero_columna." >> netsize_all.txt
> done

lenovo@LAPTOP-J497TRQ1 MINGW64 ~/Downloads/CSB-master/unix/data/Saavedra2013
$

lenovo@LAPTOP-J497TRQ1 MINGW64 ~/Downloads/CSB-master/unix/data/Saavedra2013
$ bash netsize_all.sh
```

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```
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$

lenovo@LAPTOP-J497TRQ1 MINGW64 ~/Downloads/CSB-master/unix/data/Saavedra2013
$ bash netsize_all.sh

lenovo@LAPTOP-J497TRQ1 MINGW64 ~/Downloads/CSB-master/unix/data/Saavedra2013
$ ls
n1.txt  n16.txt  n22.txt  n29.txt  n35.txt  n41.txt  n48.txt  n54.txt  n7.txt
n10.txt n17.txt  n23.txt  n3.txt   n36.txt  n42.txt  n49.txt  n55.txt  n8.txt
n11.txt n18.txt  n24.txt  n30.txt  n37.txt  n43.txt  n5.txt   n56.txt  n9.txt
n12.txt n19.txt  n25.txt  n31.txt  n38.txt  n44.txt  n50.txt  n57.txt  netsize.sh
n13.txt n2.txt   n26.txt  n32.txt  n39.txt  n45.txt  n51.txt  n58.txt  netsize.txt
n14.txt n20.txt  n27.txt  n33.txt  n4.txt   n46.txt  n52.txt  n59.txt  netsize_all.sh
n15.txt n21.txt  n28.txt  n34.txt  n40.txt  n47.txt  n53.txt  n6.txt   netsize_all.txt

lenovo@LAPTOP-J497TRQ1 MINGW64 ~/Downloads/CSB-master/unix/data/Saavedra2013
$ .....
```