UNIVERSIDAD REGIONAL AMAZONICA IKIAM

ALLAN FARINANGO

G01

TC2

PREPARACIÓN

Descargue el archivo,

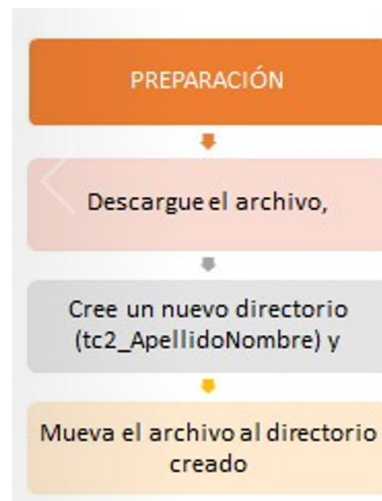Cree un nuevo directorio
(tc2_ApellidoNombre) y

Mueva el archivo al directorio
creado


```
LENOVO@allan MINGW64 ~ (master)
$ cd Videos/

LENOVO@allan MINGW64 ~/Videos (main)
$ ls
CSB-master/  Captures/  D.A.mp4  desktop.ini

LENOVO@allan MINGW64 ~/Videos (main)
$ ls
AgGCN1.0_properties.csv  CSB-master/  Captures/  desktop.ini

LENOVO@allan MINGW64 ~/Videos (main)
$ mkdir tc2_farinango_allan

LENOVO@allan MINGW64 ~/Videos (main)
$ ls
AgGCN1.0_properties.csv  CSB-master/  Captures/  desktop.ini  tc2_farinango_allan/

LENOVO@allan MINGW64 ~/Videos (main)
$ mv AgGCN1.0_properties.csv tc2_farinango_allan/

LENOVO@allan MINGW64 ~/Videos (main)
$ ls
CSB-master/  Captures/  desktop.ini  tc2_farinango_allan/

LENOVO@allan MINGW64 ~/Videos (main)
$ cd tc2_farinango_allan/

LENOVO@allan MINGW64 ~/Videos/tc2_farinango_allan (main)
$ ls
AgGCN1.0_properties.csv

LENOVO@allan MINGW64 ~/Videos/tc2_farinango_allan (main)
$ |
```

SELECCIÓN

Copiar las columnas "id", "eigenvector" y "betweenness" a "EigenBetw.tsv"

```
LENOVO@allan MINGW64 ~/Videos/tc2_farinango_allan (main)
$ cat AgGCN1.0_properties.csv | cut -d "," -f 1 | head -n 5
id
AGAP000002
AGAP000005
AGAP000007
AGAP000008

LENOVO@allan MINGW64 ~/Videos/tc2_farinango_allan (main)
$ cat AgGCN1.0_properties.csv | cut -d "," -f 4 | head -n 5
eigenvector
0.008787135
0.013750498
7.90E-06
0.000383447

LENOVO@allan MINGW64 ~/Videos/tc2_farinango_allan (main)
$ cat AgGCN1.0_properties.csv | cut -d "," -f 6 | head -n 5
betweenness
2.91E-05
0.000171241
0
1.22E-06

LENOVO@allan MINGW64 ~/Videos/tc2_farinango_allan (main)
$
```

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```
MINGW64:/c/Users/LENOVO/Videos/tc2_farinango_allan

LENOVO@allan MINGW64 ~/Videos/tc2_farinango_allan (main)
$ cat AgGCN1.0_properties.csv | cut -d "," -f 1,4,6 > eigenbetw.tsv

LENOVO@allan MINGW64 ~/Videos/tc2_farinango_allan (main)
$ ls
AgGCN1.0_properties.csv  eigenbetw.tsv

LENOVO@allan MINGW64 ~/Videos/tc2_farinango_allan (main)
$ cat eigenbetw.tsv | head -n 10
id,eigenvector,betweenness
AGAP000002,0.008787135,2.91E-05
AGAP000005,0.013750498,0.000171241
AGAP000007,7.90E-06,0
AGAP000008,0.000383447,1.22E-06
AGAP000009,0.013802427,0.000654142
AGAP000010,0.000101576,0
AGAP000011,0.028812269,7.34E-05
AGAP000012,0.000156442,4.72E-05
AGAP000013,0.002796483,0.000830249

LENOVO@allan MINGW64 ~/Videos/tc2_farinango_allan (main)
$
```


BASH SCRIPT 1

Con **nano**, cree "tc2_ApellidoNombre.sh"

Escriba el comando para ver las primeras 7 y últimas 5 filas de "EigenBetw.tsv".

Imprima un mensaje de separación entre ellas.

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```
LENOVO@allan MINGW64 ~/Videos/tc2_farinango_allan (main)
$ nano tc2_farinangoAllan.sh

LENOVO@allan MINGW64 ~/Videos/tc2_farinango_allan (main)
$ cat tc2_farinangoAllan.sh
head -n 8 $1
tail -n 5 $2

LENOVO@allan MINGW64 ~/Videos/tc2_farinango_allan (main)
$ bash tc2_farinangoAllan.sh eigenbetw.tsv eigenbetw.tsv
id,eigenvector,betweenness
AGAP000002,0.008787135,2.91E-05
AGAP000005,0.013750498,0.000171241
AGAP000007,7.90E-06,0
AGAP000008,0.000383447,1.22E-06
AGAP000009,0.013802427,0.000654142
AGAP000010,0.000101576,0
AGAP000011,0.028812269,7.34E-05
AGAP029781,0.000987921,1.49E-05
AGAP029784,3.45E-05,0.000155039
AGAP029786,0.000146935,5.04E-05
AGAP029787,9.99E-06,1.22E-07
AGAP029789,0.001757408,0.001160083

LENOVO@allan MINGW64 ~/Videos/tc2_farinango_allan (main)
$
```
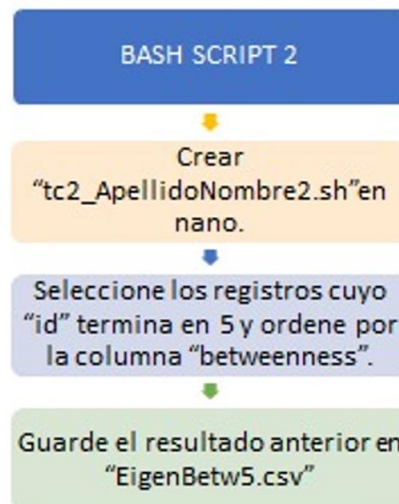
MINGW64:/c/Users/LENOVO/Videos/tc2_farinango_allan

```
LENOVO@allan MINGW64 ~/Videos/tc2_farinango_allan (main)
$ nano tc2_farinangoAllan.sh

LENOVO@allan MINGW64 ~/Videos/tc2_farinango_allan (main)
$ cat tc2_farinangoAllan.sh
head -n 8 $1
echo "separacion de comandos"
tail -n 5 $2

LENOVO@allan MINGW64 ~/Videos/tc2_farinango_allan (main)
$ bash tc2_farinangoAllan.sh eigenbetw.tsv eigenbetw.tsv
id,eigenvector,betweenness
AGAP000002,0.008787135,2.91E-05
AGAP000005,0.013750498,0.000171241
AGAP000007,7.90E-06,0
AGAP000008,0.000383447,1.22E-06
AGAP000009,0.013802427,0.000654142
AGAP000010,0.000101576,0
AGAP000011,0.028812269,7.34E-05
separacion de comandos
AGAP029781,0.000987921,1.49E-05
AGAP029784,3.45E-05,0.000155039
AGAP029786,0.000146935,5.04E-05
AGAP029787,9.99E-06,1.22E-07
AGAP029789,0.001757408,0.001160083

LENOVO@allan MINGW64 ~/Videos/tc2_farinango_allan (main)
$
```

```
LENOVO@allan MINGW64 ~/Videos/tc2_farinango_allan (main)
$ nano tc2_farinangoAllan2.sh

LENOVO@allan MINGW64 ~/Videos/tc2_farinango_allan (main)
$ cat tc2_farinangoAllan2.sh
cut -d "," -f 1 $1 | grep 5$ > $3
echo "-------------------------------------------------------- SE DIVIDEN COMANDOS"
cut -d "," -f 6 $2 | sort -n >> $3

LENOVO@allan MINGW64 ~/Videos/tc2_farinango_allan (main)
$ bash tc2_farinangoAllan2.sh AgGCN1.0_properties.csv AgGCN1.0_properties.csv Eigenbetw5.csv
-------------------------------------------------------- SE DIVIDEN COMANDOS

LENOVO@allan MINGW64 ~/Videos/tc2_farinango_allan (main)
$ ls
AgGCN1.0_properties.csv  Eigenbetw5.csv  eigenbetw.tsv  tc2_farinangoAllan.sh  tc2_farinangoAllan2.sh

LENOVO@allan MINGW64 ~/Videos/tc2_farinango_allan (main)
$
```