

```
MINGW64:/c/Users/PAUL/Desktop/tc2_AlvaradoCesar
Videos/
ntuser.dat.LOG1
ntuser.dat.LOG2
ntuser.ini

PAUL@LAPTOP-QC43P09G MINGW64 ~
$ cd Documents

PAUL@LAPTOP-QC43P09G MINGW64 ~/Documents (main)
$ ls
ExamParcialP1.m  GBI6_ExamenParcial1/  'Mis videos'@  sandox/
ExamParcialP2.m  'Mi música'@         c2
ExamParcial_P1   'Mis imágenes'@      hola.txt

PAUL@LAPTOP-QC43P09G MINGW64 ~/Documents (main)
$ cd ..

PAUL@LAPTOP-QC43P09G MINGW64 ~
$ cd Desktop

PAUL@LAPTOP-QC43P09G MINGW64 ~/Desktop
$ ls
AgGCN1.0_properties.csv  CSB-master/  Final.m  desktop.ini  examenProblm1.m

PAUL@LAPTOP-QC43P09G MINGW64 ~/Desktop
$ mkdir tc2_AlvaradoCesar

PAUL@LAPTOP-QC43P09G MINGW64 ~/Desktop
$ mv AgGCN1.0_properties.csv tc2_AlvaradoCesar/

PAUL@LAPTOP-QC43P09G MINGW64 ~/Desktop
$ ls
CSB-master/  Final.m  desktop.ini  examenProblm1.m  tc2_AlvaradoCesar/

PAUL@LAPTOP-QC43P09G MINGW64 ~/Desktop
$ cd tc2_AlvaradoCesar/

PAUL@LAPTOP-QC43P09G MINGW64 ~/Desktop/tc2_AlvaradoCesar
$ ls
AgGCN1.0_properties.csv

PAUL@LAPTOP-QC43P09G MINGW64 ~/Desktop/tc2_AlvaradoCesar
$
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MINGW64:/c/Users/PAUL/Desktop/tc2_AlvaradoCesar

PAUL@LAPTOP-QC43P09G MINGW64 ~/Desktop/tc2_AlvaradoCesar
$ ls
AgGCN1.0_properties.csv

PAUL@LAPTOP-QC43P09G MINGW64 ~/Desktop/tc2_AlvaradoCesar
$ cut -d "," -f 1,4,6 AgGCN1.0_properties.csv >> EigenBetw.tsv

PAUL@LAPTOP-QC43P09G MINGW64 ~/Desktop/tc2_AlvaradoCesar
$ ls
AgGCN1.0_properties.csv  EigenBetw.tsv

PAUL@LAPTOP-QC43P09G MINGW64 ~/Desktop/tc2_AlvaradoCesar
$ head -n 10 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
AGAP000012,0.000156442,4.72E-05
AGAP000013,0.002796483,0.000830249

PAUL@LAPTOP-QC43P09G MINGW64 ~/Desktop/tc2_AlvaradoCesar
$ nano tc2_AlvaradoCesar.sh

PAUL@LAPTOP-QC43P09G MINGW64 ~/Desktop/tc2_AlvaradoCesar
$ cat tc2_AlvaradoCesar.sh
echo "primeras siete filas"
head -n 7 EigenBetw.tsv
echo -e "\n"
echo "últimas cinco filas"
tail -n 5 EigenBetw.tsv

PAUL@LAPTOP-QC43P09G MINGW64 ~/Desktop/tc2_AlvaradoCesar
$ bash tc2_AlvaradoCesar.sh
primeras siete filas
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
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PAUL@LAPTOP-QC43P09G MINGW64 ~/Desktop/tc2_AlvaradoCesar
$ bash tc2_AlvaradoCesar.sh
primeras siete filas
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

ultimas cinco filas
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

PAUL@LAPTOP-QC43P09G MINGW64 ~/Desktop/tc2_AlvaradoCesar
$ |

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PAUL@LAPTOP-QC43P09G MINGW64 ~/Desktop/tc2_AlvaradoCesar
$ nano tc2_AlvaradoCesar2.sh

PAUL@LAPTOP-QC43P09G MINGW64 ~/Desktop/tc2_AlvaradoCesar
$ cat tc2_AlvaradoCesar2.sh
cut -d "," -f 1,3 EigenBetw.tsv | tr "," " " | sort -r -k 2 | cut -d " " -f 1 | gr
ep '$$' >> EigenBetw5.csv

PAUL@LAPTOP-QC43P09G MINGW64 ~/Desktop/tc2_AlvaradoCesar
$ bash tc2_AlvaradoCesar2.sh

PAUL@LAPTOP-QC43P09G MINGW64 ~/Desktop/tc2_AlvaradoCesar
$ ls
AgGCN1.0_properties.csv  EigenBetw5.csv      tc2_AlvaradoCesar2.sh
EigenBetw.tsv           tc2_AlvaradoCesar.sh

PAUL@LAPTOP-QC43P09G MINGW64 ~/Desktop/tc2_AlvaradoCesar
$ head EigenBetw5.csv
AGAP011165
AGAP005775
AGAP008635
AGAP001035
AGAP001825
AGAP001675
AGAP008045
AGAP013405
AGAP004575
AGAP010805

PAUL@LAPTOP-QC43P09G MINGW64 ~/Desktop/tc2_AlvaradoCesar
$ |

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