

```
MINGW64/c/Users/user/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
cd

user@xathri MINGW64 /
$ cd

user@xathri MINGW64 ~
$ ls
'3D Objects'/
Angelica_Flores_Deber1_Mate4.m
AppData/
'Configuración Local'@
Contacts/
Cookies@
'Creative Cloud Files'/
'Datos de programa'@
Desktop/
Documents/
Downloads/
'Entorno de red'@
Favorites/
Impresoras@
IntelGraphicsProfiles/
Links/
'Menü Inicio'@
MicrosoftEdgeBackups/
'Mis documentos'@
Music/
NTUSER.DAT
NTUSER.DAT{95fe68a8-8987-11eb-8b44-83cb576a9ecc}.TM.blf
NTUSER.DAT{95fe68a8-8987-11eb-8b44-83cb576a9ecc}.TMContainer000000000000000000
1.regtrans-ms
NTUSER.DAT{95fe68a8-8987-11eb-8b44-83cb576a9ecc}.TMContainer000000000000000000
2.regtrans-ms
OneDrive/
Pictures/
Plantillas@
Reciente@
'Saved Games'/
Searches/
SendTo@
Videos/
Zotero/
asasasasa.m
ntuser.dat.LOG1
ntuser.dat.LOG2
ntuser.ini

user@xathri MINGW64 ~
$ cd documents

user@xathri MINGW64 ~/documents
$ ls
Adobe/                               NBGI/
Apowersoft/                          PCSX2/
'Apowersoft Borrador de Fondo'/      PPSSPP/
CSB-master/                          'Plantillas personalizadas de office'/
CSB-master.zip                      'Questions in Past Exercise.doc'
'Dolphin Emulator'/                 R/
```

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MINGW64/c/Users/user/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
Apowersoft/                          PCSX2/
'Apowersoft Borrador de Fondo'/      PPSSPP/
CSB-master/                          'Plantillas personalizadas de office'/
CSB-master.zip                      'Questions in Past Exercise.doc'
'Dolphin Emulator'/                 R/
'MEGA X'/                            'Transformar 2022 orueba 11am.pdf'
'Mi musica'@                        Wondershare/
'Mis imágenes'@                     XuanZhi/
'Mis videos'@                       Zoom/
'My Games'@                         balance3.pdf
'My ISO Files'@                     desktop.ini

user@xathri MINGW64 ~/documents
$ cd CSB-master

user@xathri MINGW64 ~/documents/CSB-master
$ ls
LICENSE      data_wrangling/  good_code/  python/  regex/  sql/
README.md    git/             latex/      r/        scientific/  unix/

user@xathri MINGW64 ~/documents/CSB-master
$ cd unix

user@xathri MINGW64 ~/documents/CSB-master/unix
$ ls
Bioinfo/  data/  filtrado1.txt  installation/  sandbox/  solutions/

user@xathri MINGW64 ~/documents/CSB-master/unix
$ cd sandbox

user@xathri MINGW64 ~/documents/CSB-master/unix/sandbox
$ ls
'Papers and reviews'/'  c1/

user@xathri MINGW64 ~/documents/CSB-master/unix/sandbox
$ mkdir Tareas

user@xathri MINGW64 ~/documents/CSB-master/unix/sandbox
$ ls
'Papers and reviews'/'  Tareas/  c1/

user@xathri MINGW64 ~/documents/CSB-master/unix/sandbox
$ cd Tareas

user@xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas
$ ls
'AgGCN1.0_properties (1).csv'

user@xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas
$ mkdir tc2_CabreraSantiago

user@xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas
$ ls
'AgGCN1.0_properties (1).csv'  tc2_CabreraSantiago/
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MINGW64/c/Users/user/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas
$ ls
AgGCN1.0_properties (1).csv  tc2_CabreraSantiago/

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas
$ mv AgGCN1.0_properties (1).csv tc2_CabreraSantiago/
bash: syntax error near unexpected token '('

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas
$ mv AgGCN1.0_properties (1).csv tc2_CabreraSantiago/
bash: syntax error near unexpected token '('

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas
$ ls
AgGCN1.0_properties.csv  tc2_CabreraSantiago/

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas
$ mv AgGCN1.0_properties.csv tc2_CabreraSantiago/

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas
$ ls
tc2_CabreraSantiago/

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas
$ cd tc2_CabreraSantiago

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
$ ls
AgGCN1.0_properties.csv

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
$ head -n 2 tc2:CabreraSantiago/AgGCN1.0_properties.csv
head: cannot open 'tc2:CabreraSantiago/AgGCN1.0_properties.csv' for reading: No such file or directory

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
$ head -n 2 tc2_CabreraSantiago
head: cannot open 'tc2_CabreraSantiago' for reading: No such file or directory

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
$ head -n 2 tc2_CabreraSantiago/AgGCN1.0_properties.csv
head: cannot open 'tc2_CabreraSantiago/AgGCN1.0_properties.csv' for reading: No such file or directory

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
$ cd ../

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas
$ ls
tc2_CabreraSantiago/

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas
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MINGW64/c/Users/user/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
tc2_CabreraSantiago/

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas
$ head -n 2 tc2_CabreraSantiago/AgGCN1.0_properties.csv
id, Gene name, strength, eigenvector, close, betweenness, community, core4854, core6920, core7464
AGAP000002,,40.75,0.008787135,0.231913559,2.91E-05,3,,

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas
$ cut -d ";" -f 1,4,6 tc2_CabreraSantiago/AgGCN1.0_properties.csv >> FingenBetw.tsv

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas
$ ls tc2_CabreraSantiago/
AgGCN1.0_properties.csv

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas
$ ls
FingenBetw.tsv  tc2_CabreraSantiago/

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas
$ cut -d ";" -f 1,4,6 tc2_CabreraSantiago/AgGCN1.0_properties.csv >> tc2_CabreraSantiago/FingenBetw.tsv

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas
$ ls tc2_CabreraSantiago
AgGCN1.0_properties.csv  FingenBetw.tsv

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas
$ cut -d ";" -f 1,4,6 AgGCN1.0_properties.csv > EingenBetw.tsv
cut: AgGCN1.0_properties.csv: No such file or directory

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas
$ cut -d ";" -f 1,4,6 AgGCN1.0_properties.csv > EingenBetw.tsv
cut: AgGCN1.0_properties.csv: No such file or directory

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas
$ ls
FingenBetw.tsv  FingenBetw.tsv  tc2_CabreraSantiago/

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas
$ cd tc2_CabreraSantiago

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
$ ls
AgGCN1.0_properties.csv  FingenBetw.tsv

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
$ cut -d ";" -f 1,4,6 AgGCN1.0_properties.csv > EingenBetw.tsv

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
$ head -n 2 EingenBetw.tsv
head: cannot open 'EingenBetw.tsv' for reading: No such file or directory

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
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MINGW64/c/Users/user/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
AgGCN1.0_properties.csv  EingenBetw.tsv  FingenBetw.tsv

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
go
$ head -n 2 EingenBetw.tsv
id,eigenvector,betweenness
AGAP000002,0.008787135,2.91E-05

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
go
$ nano tc2_CabreraSantiago.sh

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
go
$ nanp tc2_CabreraSantiago.sh
bash: nanp: command not found

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
go
$ nano tc2_CabreraSantiago.sh

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
go
$ bash tc2_CabreraSantiago.sh
7 primeras 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 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

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
go
$ nano tc2_CabreraSantiago2.sh

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
go
$ bash tc2_CabreraSantiago2.sh
bash: tc2_CabreraSantiago2.sh: No such file or directory

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
go
$ ls
AgGCN1.0_properties.csv  EingenBetw.tsv  FingenBetw.tsv  tc2_CabreraSantiago.sh

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
go
$
```

```
MINGW64/c/Users/user/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
go
$ bash tc2_CabreraSantiago.sh
7 primeras 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 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

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
go
$ nano tc2_CabreraSantiago2.sh

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
go
$ bash tc2_CabreraSantiago2.sh
bash: tc2_CabreraSantiago2.sh: No such file or directory

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
go
$ ls
AgGCN1.0_properties.csv  EingenBetw.tsv  FingenBetw.tsv  tc2_CabreraSantiago.sh

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
go
$ nano tc2_CabreraSantiago2.sh

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
go
$ bash tc2_CabreraSantiago2.sh

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
go
$ ls
AgGCN1.0_properties.csv  EingenBetw5.csv  tc2_CabreraSantiago.sh
EingenBetw.tsv          FingenBetw.tsv  tc2_CabreraSantiago2.sh

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
go
$ bash EingenBetw5.csv
EingenBetw5.csv: line 1: AGAP011165: command not found
EingenBetw5.csv: line 2: AGAP005775: command not found
EingenBetw5.csv: line 3: AGAP008633: command not found
EingenBetw5.csv: line 4: AGAP001035: command not found
EingenBetw5.csv: line 5: AGAP001825: command not found
EingenBetw5.csv: line 6: AGAP001675: command not found
EingenBetw5.csv: line 7: AGAP008045: command not found
```

```
MINGW64/c/Users/user/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
GNU nano 6.4 tc2_CabreraSantiago.sh
echo "7 primeras filas"
head -n 7 EingenBetw.tsv
echo -e "\n"
echo "5 ultimas filas"
tail -n 5 EingenBetw.tsv
```

AG Help AO Write Out AW Where Is AK Cut AT Execute AC Location M-U Undo M-A Set Mark M-J To Bracket M-Q Previous AB Back A+ Prev Word  
AX Exit AR Read File AL Replace AU Paste AJ Justify A/ Go To Line M-E Redo M-6 Copy AQ Where Was M-W Next AF Forward A+ Next Word

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```
MINGW64/c/Users/user/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
GNU nano 6.4 tc2_CabreraSantiago2.sh
cut -d "," -f 1,3 EingenBetw.tsv | tr " " " " | sort -r -k 2 | cut -d " " -f 1 | grep "5$" >> EingenBetw3.csv
```

AG Help AO Write Out AW Where Is AK Cut AT Execute AC Location M-U Undo M-A Set Mark M-J To Bracket M-Q Previous AB Back A+ Prev Word  
AX Exit AR Read File AL Replace AU Paste AJ Justify A/ Go To Line M-E Redo M-6 Copy AQ Where Was M-W Next AF Forward A+ Next Word

Escribe aquí para buscar 15:36 9/11/2022

```
MINGW64/c/Users/user/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
EingenBetw5.csv: line 1174: AGAP000355: command not found
EingenBetw5.csv: line 1175: AGAP000075: command not found
EingenBetw5.csv: line 1176: AGAP000065: command not found
EingenBetw5.csv: line 1177: AGAP000045: command not found

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
$ cat EingenBetw5.csv
AGAP011165
AGAP005775
AGAP008635
AGAP001035
AGAP001825
AGAP001675
AGAP008045
AGAP013405
AGAP004575
AGAP010805
AGAP012295
AGAP007015
AGAP012835
AGAP003545
AGAP005165
AGAP004835
AGAP000365
AGAP028735
AGAP001865
AGAP012345
AGAP003055
AGAP002515
AGAP009755
AGAP010025
AGAP000285
AGAP012365
AGAP010615
AGAP008225
AGAP010845
AGAP000345
AGAP005335
AGAP001405
AGAP000985
AGAP001655
AGAP004295
AGAP004555
AGAP009135
AGAP000655
AGAP001795
AGAP002015
AGAP013425
AGAP012895
AGAP004335
AGAP011945
AGAP008545
AGAP004335
AGAP003195
AGAP002915
AGAP001955
AGAP006605
AGAP012065
```

```
MINGW64/c/Users/user/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
AGAP002905
AGAP003875
AGAP003795
AGAP003785
AGAP003725
AGAP003715
AGAP003595
AGAP003575
AGAP003495
AGAP003405
AGAP003295
AGAP003265
AGAP003125
AGAP003095
AGAP003035
AGAP003005
AGAP002955
AGAP002855
AGAP002645
AGAP002575
AGAP002425
AGAP002415
AGAP002295
AGAP002235
AGAP002215
AGAP002205
AGAP002185
AGAP002175
AGAP002125
AGAP002035
AGAP002025
AGAP001975
AGAP001965
AGAP001905
AGAP001775
AGAP001635
AGAP001515
AGAP001475
AGAP001275
AGAP001225
AGAP000715
AGAP000625
AGAP000415
AGAP000355
AGAP000075
AGAP000065
AGAP000045

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
$ head -n 20 tc2_CabreraSantiago
head: cannot open 'tc2_CabreraSantiago' for reading: No such file or directory

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
$ head -n 20 tc2_CabreraSantiago2.sh
cut -d "." -f 1,3 EingenBetw.tsv | tr " " | sort -r -k 2 | cut -d " " -f 1 | grep "$$" >> EingenBetw5.csv

user@Xathri MINGW64 ~/documents/CSB-master/unix/sandbox/Tareas/tc2_CabreraSantiago
$
```