

exercises

1) Shell program on paste cmd.

\$paste number alpha symbol

→ 1 A Alpha

2 B Bravo

3 C Charlie

Content of three input files number, alpha, symbol are joined horizontally

\$paste -s number alpha symbol

1 2 3

A B C

Alpha Bravo Charlie

Content of file is read as single line and separated by tab.

\$paste -s -d ":" number alpha

1:2:3

A:B:C

2) Demo of uniq and tr cmd.

Uniq ^{uniq} → Detect the duplicate lines in a file and deletes the duplicate lines.

\$uniq alpha

alpha

A

A

B

A

C

B

C

\$uniq -c alpha → displays the ~~count~~ number of ~~times~~ times the line was repeated

2 A

1 B

1 C

\$uniq -d alpha

A

B

→ displays ~~number~~ of lines which are repeated in the file.

\$cat symbol | tr [:lower:] [:upper:]

→ HELLO THERE

WELCOME!!!

\$cat symbol | tr [:space:] "\t"

→ HELLO THERE

→ Hello there welcome!!!

replaces space with tab space.

3) #include <stdio.h>

int main(int argc, char * argv[])

{ int i;

char **ptr;

extern char **environ;

for (ptr = environ; *ptr != 0; ptr++)

{ printf("%s\n", *ptr);

}

return 0;

}

\$gcc env.c

\$./a.out

4) \$sort alpha

A

→ sort the content of the file

A

given as input.

B

C

D

\$sort -r alpha

D

→ sort the content of the file in

C

reverse order

B

A

A

\$sort -n number