

## Paste records

```
$ mkdir -p john/sales john/projections mary/salaries mary/profits
$ find . # List current directory entries
.
./john
./john/projections
./john/sales
./mary
./mary/profits
./mary/salaries
$ find . | # List current directory entries
> paste - /usr/share/dict/words | # Pair entries with words
> awk 'NF == 2 && $1 != "."' # List pairs apart from the current directory
./john a
./john/projections aa
./john/sales aal
./mary aalii
./mary/profits aam
./mary/salaries Aani
$ find . | # List current directory entries
> paste - /usr/share/dict/words | # Pair entries with words
> awk 'NF == 2 && $1 != "."' | # List pairs apart from the current directory
> tac # Reverse order of lines
./mary/salaries Aani
./mary/profits aam
./mary aalii
./john/sales aal
./john/projections aa
./john a
$ find . | # List current directory entries
> paste - /usr/share/dict/words | # Pair entries with words
> awk 'NF == 2 && $1 != "."' | # List pairs apart from the current directory
> tac |
> sed 's/^/mv /' # Convert pairs to rename commands
mv ./mary/salaries Aani
mv ./mary/profits aam
mv ./mary aalii
mv ./john/sales aal
mv ./john/projections aa
mv ./john a
$ find . | # List current directory entries
> paste - /usr/share/dict/words | # Pair entries with words
> awk 'NF == 2 && $1 != "."' | # List pairs apart from the current directory
> tac |
> sed 's/^/mv /' | # Convert pairs to rename commands
> sh # Have the shell execute the commands
$ find .
.
./a
./aa
./aal
./aalii
./aam
./Aani
$
```

## Reverse characters

```
$ tail /usr/share/dict/words
zymotoxic
zymurgy
Zyrenian
Zyrian
Zyryan
zythem
Zythia
zythum
Zyromys
Zyzzogeton
$ tail /usr/share/dict/words | rev
cixotomyz
ygrumyz
naineryZ
nairyZ
nayryZ
mehtyz
aihtyZ
muhtyz
symozyZ
notegozyZ
$ rev /usr/share/dict/words | sort | rev | tail
sizz
zizz
buzz
abuzz
humbuzz
outbuzz
fuzz
huzz
muzz
bruzz
$
```

## Shuffle records

```
$ shuf -n 5 /usr/share/dict/words # Output five random words
ureteroplasty
cordaitaceous
```

```
underbreathing
decatholicize
pereira
$ shuf -n 1 -e heads tails # Throw a single coin
heads
$ shuf -i 1-6 -n 2 -r # Throw a pair of dice
4
2
$
```

### Split files

```
$ split -l 10000 -d /usr/share/dict/words # Split the dictionary
$ ls
x00 x02 x04 x06 x08 x10 x12 x14 x16 x18 x20 x22
x01 x03 x05 x07 x09 x11 x13 x15 x17 x19 x21 x23
$ shuf -i 1-52 | split -n r/4 # Deal 52 random numbers into 4 files
$ ls
xaa xab xac xad
$ cat xaa
5
22
44
31
23
41
12
19
10
35
30
24
$
```

### Transpose elements

```
$ head /etc/passwd
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
$ head /etc/passwd | rs -c: -C: -T
root:daemon:bin:sys:sync:games:man:lp:mail:news:
x:x:x:x:x:x:x:x:
0:1:2:3:4:5:6:7:8:9:
0:1:2:3:65534:60:12:7:8:9:
root:daemon:bin:sys:sync:games:man:lp:mail:news:
/root:/usr/sbin:/bin:/dev:/bin:/usr/games:/var/cache/man:/var/spool/lpd:/var/mail:/var/spool/news:
/bin/bash:/usr/sbin/nologin:/usr/sbin/nologin:/usr/sbin/nologin:/bin/sync:/usr/sbin/nologin:/usr/sbin/nologin:/usr/sbin,
```