1.cat > pets

dogs

cats

hamsters

cat > pack_animals

horses

camels

donkeys

cat pets pack_animals > animals

mv animals man_friends

```
user1@us-01:~$ cat pets
dogs
cats
hamsters
user1@us-01:~$ cat pack_animals
horses
camels
donkeys
user1@us-01:~$ cat man_friends
dogs
cats
hamsters
horses
camels
donkeys
user1@us-01:~$ _
```

2. mkdir project

mv man_friends project/

```
user1@us-01:~$ mkdir project
user1@us-01:~$ ls
dbui  man_friends  pack_animals  pets  project  snap
user1@us-01:~$ mv man_friends project/
user1@us-01:~$ cd project
user1@us-01:~/project$ ls
man_friends
user1@us-01:~/project$ _
```

3. sudo wget https://dev.mysql.com/get/mysql-apt-config_0.8.23-1_all.deb

sudo dpkg -i mysql-apt-config_0.8.23-1_all.deb

sudo apt-get update

sudo apt-get install mysql-server

```
user1@us-01:~$ sudo wget https://dev.mysql.com/get/mysql-apt-config_0.8.23-1_all.deb
[sudo] password for user1:
--2024-02-18 10:18:20--  https://dev.mysql.com/get/mysql-apt-config_0.8.23-1_all.deb
Resolving dev.mysql.com (dev.mysql.com)... 184.51.238.43, 2a02:2d8:0:799e::2e31, 2a02:2d8:0:7987::2e31
Connecting to dev.mysql.com (dev.mysql.com)|184.51.238.43|:443... connected.
HTTP request sent, awaiting response... 302 Moved Temporarily
Location: https://repo.mysql.com//mysql-apt-config_0.8.23-1_all.deb [following]
--2024-02-18 10:18:20--  https://repo.mysql.com//mysql-apt-config_0.8.23-1_all.deb
Resolving repo.mysql.com (repo.mysql.com)... 104.81.113.179, 2a02:26f0:5200:18f::1d68, 2a02:26f0:5200:1b5::1d68
Connecting to repo.mysql.com (repo.mysql.com)|104.81.113.179|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 18028 (18K) [application/x-debian-package]
Saving to: 'mysql-apt-config_0.8.23-1_all.deb'

mysql-apt-config_0.8.23-1_all.deb          100%[===================================================================>

2024-02-18 10:18:20 (365 MB/s) - 'mysql-apt-config_0.8.23-1_all.deb' saved [18028/18028]

user1@us-01:~$ sudo dpkg -i mysql-apt-config_0.8.23-1_all.deb
Selecting previously unselected package mysql-apt-config.
(Reading database ... 110269 files and directories currently installed.)
Preparing to unpack mysql-apt-config_0.8.23-1_all.deb ...
Unpacking mysql-apt-config (0.8.23-1) ...
Setting up mysql-apt-config (0.8.23-1) ...
Warning: apt-key should not be used in scripts (called from postinst maintainerscript of the package mysql-apt-config)
Warning: apt-key is deprecated. Manage keyring files in trusted.gpg.d instead (see apt-key(8)).
OK
user1@us-01:~$ sudo apt-get update
Hit:1 http://ru.archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://ru.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Get:3 http://repo.mysql.com/apt/ubuntu jammy InRelease [20.2 kB]
Hit:4 http://ru.archive.ubuntu.com/ubuntu jammy-backports InRelease
Get:5 https://download.docker.com/linux/ubuntu jammy InRelease [48.8 kB]
Get:6 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Err:3 http://repo.mysql.com/apt/ubuntu jammy InRelease
  The following signatures couldn't be verified because the public key is not available: NO_PUBKEY B7B3B788A8D3785C
Get:7 http://ru.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [1,377 kB]
Get:8 http://ru.archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [273 kB]
Get:9 http://ru.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages [1,431 kB]
Get:10 http://ru.archive.ubuntu.com/ubuntu jammy-updates/restricted Translation-en [235 kB]
Get:11 http://ru.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [1,049 kB]
Get:12 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [1,161 kB]
Get:13 http://ru.archive.ubuntu.com/ubuntu jammy-updates/universe Translation-en [237 kB]
Get:14 http://ru.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 Packages [42.1 kB]
Get:15 http://security.ubuntu.com/ubuntu jammy-security/main Translation-en [213 kB]
Get:16 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [1,401 kB]
Get:17 http://security.ubuntu.com/ubuntu jammy-security/restricted Translation-en [231 kB]
Get:18 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [842 kB]
Get:19 http://security.ubuntu.com/ubuntu jammy-security/universe Translation-en [161 kB]
```

```
user1@us-01:~$ sudo apt-get install mysql-server
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  libcgi-fast-perl libcgi-pm-perl libclone-perl libencode-locale-perl libevent-pthreads-2.1-7 libfcgi-bin libfcgi-perl libfcgi0ldbl libhtml-parser-perl libhtml-tagset-perl libhtml-template-perl
  libhttp-date-perl libhttp-message-perl libio-html-perl liblwp-mediatypes-perl libmecab2 libprotobuf-lite23 libtimedate-perl liburi-perl mecab-ipadic mecab-ipadic-utf8 mecab-utils mysql-client-8.0
  mysql-client-core-8.0 mysql-common mysql-server-8.0 mysql-server-core-8.0
Suggested packages:
  libdata-dump-perl libipc-sharedcache-perl libbusiness-isbn-perl libwww-perl mailx tinyca
The following NEW packages will be installed:
  libcgi-fast-perl libcgi-pm-perl libclone-perl libencode-locale-perl libevent-pthreads-2.1-7 libfcgi-bin libfcgi-perl libfcgi0ldbl libhtml-parser-perl libhtml-tagset-perl libhtml-template-perl
  libhttp-date-perl libhttp-message-perl libio-html-perl liblwp-mediatypes-perl libmecab2 libprotobuf-lite23 libtimedate-perl liburi-perl mecab-ipadic mecab-ipadic-utf8 mecab-utils mysql-client-8.0
  mysql-client-core-8.0 mysql-common mysql-server-8.0 mysql-server-core-8.0
0 upgraded, 28 newly installed, 0 to remove and 34 not upgraded.
1 not fully installed or removed.
Need to get 29.5 MB of archives.
After this operation, 243 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 mysql-common all 5.8+1.0.8 [7,212 B]
Get:2 http://ru.archive.ubuntu.com/ubuntu jammy-updates/main amd64 mysql-client-core-8.0 amd64 8.0.36-0ubuntu0.22.04.1 [2,692 kB]
Get:3 http://ru.archive.ubuntu.com/ubuntu jammy-updates/main amd64 mysql-client-8.0 amd64 8.0.36-0ubuntu0.22.04.1 [22.7 kB]
Get:4 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 libevent-pthreads-2.1-7 amd64 2.1.12-stable-1build3 [7,642 B]
Get:5 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 libmecab2 amd64 0.996-14build9 [199 kB]
Get:6 http://ru.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libprotobuf-lite23 amd64 3.12.4-1ubuntu7.22.04.1 [209 kB]
Get:7 http://ru.archive.ubuntu.com/ubuntu jammy-updates/main amd64 mysql-server-core-8.0 amd64 8.0.36-0ubuntu0.22.04.1 [17.5 MB]
Get:8 http://ru.archive.ubuntu.com/ubuntu jammy-updates/main amd64 mysql-server-8.0 amd64 8.0.36-0ubuntu0.22.04.1 [1,437 kB]
Get:9 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 libhtml-tagset-perl all 3.20-4 [12.5 kB]
Get:10 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 liburi-perl all 5.10-1 [78.8 kB]
Get:11 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 libhtml-parser-perl amd64 3.76-1build2 [88.4 kB]
Get:12 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 libcgi-pm-perl all 4.54-1 [188 kB]
Get:13 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 libfcgi0ldbl amd64 2.4.2-2build2 [28.0 kB]
Get:14 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 libfcgi-perl amd64 0.82+ds-1build1 [22.8 kB]
Get:15 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 libcgi-fast-perl all 1:2.15-1 [10.5 kB]
Get:16 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 libclone-perl amd64 0.45-1build3 [11.0 kB]
Get:17 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 libencode-locale-perl all 1.05-1.1 [11.8 kB]
Get:18 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 libfcgi-bin amd64 2.4.2-2build2 [11.2 kB]
Get:19 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 libhtml-template-perl all 2.97-1.1 [59.1 kB]
Get:20 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 libtimedate-perl all 2.3300-2 [34.0 kB]
Get:21 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 libhttp-date-perl all 6.05-1 [9,920 B]
Get:22 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 libio-html-perl all 1.004-2 [15.4 kB]
Get:23 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 liblwp-mediatypes-perl all 6.04-1 [19.5 kB]
Get:24 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 libhttp-message-perl all 6.36-1 [76.8 kB]
Get:25 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 mecab-utils amd64 0.996-14build9 [4,850 B]
Get:26 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 mecab-ipadic all 2.7.0-20070801+main-3 [6,718 kB]
Get:27 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 mecab-ipadic-utf8 all 2.7.0-20070801+main-3 [4,384 B]
Get:28 http://ru.archive.ubuntu.com/ubuntu jammy-updates/main amd64 mysql-server all 8.0.36-0ubuntu0.22.04.1 [9,460 B]
Fetched 29.5 MB in 4s (8,338 kB/s)
Preconfiguring packages ...
Selecting previously unselected package mysql-common.
```

4. sudo wget https://download.docker.com/linux/ubuntu/dists/jammy/pool/stable/amd64/docker-ce-cli_20.10.13~3-0~ubuntu-jammy_amd64.deb

sudo dpkg -i docker-ce-cli_20.10.133-0ubuntu-jammy_amd64.deb

sudo dpkg -r docker-ce-cli

```
user1@us-01:~$ sudo wget https://download.docker.com/linux/ubuntu/dists/jammy/pool/stable/amd64/docker-ce-cli_20.10.13~3-0~ubuntu-jammy_amd64.deb
--2024-02-18 10:47:09--  https://download.docker.com/linux/ubuntu/dists/jammy/pool/stable/amd64/docker-ce-cli_20.10.13~3-0~ubuntu-jammy_amd64.deb
Resolving download.docker.com (download.docker.com)... 108.156.22.86, 108.156.22.127, 108.156.22.116, ...
Connecting to download.docker.com (download.docker.com)|108.156.22.86|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 40955778 (39M) [binary/octet-stream]
Saving to: 'docker-ce-cli_20.10.13~3-0~ubuntu-jammy_amd64.deb'

docker-ce-cli_20.10.13~3-0~ubuntu-jammy_amd64.deb   100%[===================================================================================================================>]  39.06M  8.44MB/s    in 5.1s

2024-02-18 10:47:15 (7.70 MB/s) - 'docker-ce-cli_20.10.13~3-0~ubuntu-jammy_amd64.deb' saved [40955778/40955778]

user1@us-01:~$ sudo dpkg -i docker-ce-cli_20.10.133-0ubuntu-jammy_amd64.deb
dpkg: error: cannot access archive 'docker-ce-cli_20.10.133-0ubuntu-jammy_amd64.deb': No such file or directory
user1@us-01:~$ sudo dpkg -i docker-ce-cli_20.10.13~3-0~ubuntu-jammy_amd64.deb
dpkg: warning: downgrading docker-ce-cli from 5:24.0.7-1~ubuntu.22.04~jammy to 5:20.10.13~3-0~ubuntu-jammy
(Reading database ... 110342 files and directories currently installed.)
Preparing to unpack docker-ce-cli_20.10.13~3-0~ubuntu-jammy_amd64.deb ...
Unpacking docker-ce-cli (5:20.10.13~3-0~ubuntu-jammy) over (5:24.0.7-1~ubuntu.22.04~jammy) ...
dpkg: error processing archive docker-ce-cli_20.10.13~3-0~ubuntu-jammy_amd64.deb (--install):
 cannot copy extracted data for './usr/libexec/docker/cli-plugins/docker-app' to '/usr/libexec/docker/cli-plugins/docker-app.dpkg-new': failed to write (No space left on device)
dpkg-deb: error: paste subprocess was killed by signal (Broken pipe)
Errors were encountered while processing:
 docker-ce-cli_20.10.13~3-0~ubuntu-jammy_amd64.deb
user1@us-01:~$ sudo dpkg -r docker-ce-cli_20.10.133-0ubuntu-jammy_amd64.deb
dpkg: error: you must specify packages by their own names, not by quoting the names of the files they come in

Type dpkg --help for help about installing and deinstalling packages [*];
Use 'apt' or 'aptitude' for user-friendly package management;
Type dpkg -Dhelp for a list of dpkg debug flag values;
Type dpkg --force-help for a list of forcing options;
Type dpkg-deb --help for help about manipulating *.deb files;

Options marked [*] produce a lot of output - pipe it through 'less' or 'more' !
user1@us-01:~$ sudo dpkg -r docker-ce-cli
dpkg: dependency problems prevent removal of docker-ce-cli:
 docker-ce depends on docker-ce-cli.

dpkg: error processing package docker-ce-cli (--remove):
 dependency problems - not removing
Errors were encountered while processing:
 docker-ce-cli
user1@us-01:~$
```

5. history 30

```
user1@us-01:~$ history 30
  114  cat man_friends
  115  cd ..
  116  ls
  117  cd
  118  clear
  119  mkdir project
  120  ls
  121  mv man_friends project/
  122  cd project
  123  ls
  124  clear
  125  cd
  126  sudo wget https://dev.mysql.com/get/mysql-apt-config_0.8.23-1_all.deb
  127  sudo dpkg -i mysql-apt-config_0.8.23-1_all.deb
  128  sudo apt-get update
  129  sudo apt-get install mysql-server
  130  clear
  131  sudo wget http://nginx.org/packages/ubuntu/Release.new
  132  sudo dpkg -i Release.new
  133  clear
  134  sudo wget https://ubuntu.pkgs.org/22.04/ubuntu-universe-amd64/wordpress_5.8.3+dfsg1-1ubuntu1_all.deb
  135  sudo wget https://ubuntu.pkgs.org/22.04/ubuntu-universe-amd64/wordpress_5.8.3+dfsg1-1ubuntu1_all.deb.html
  136  clear
  137  sudo wget https://download.docker.com/linux/ubuntu/dists/jammy/pool/stable/amd64/docker-ce-cli_20.10.13~3-0~ubuntu-jammy_amd64.deb
  138  sudo dpkg -i docker-ce-cli_20.10.133-0ubuntu-jammy_amd64.deb
  139  sudo dpkg -i docker-ce-cli_20.10.13~3-0~ubuntu-jammy_amd64.deb
  140  sudo dpkg -r docker-ce-cli_20.10.133-0ubuntu-jammy_amd64.deb
  141  sudo dpkg -r docker-ce-cli
  142  history 20
  143  history 30
```