

1) Используя команду `cat` в терминале операционной системы *Linux*, создать два файла *Домашние животные* (заполнив файл собаками, кошками, хомяками) и *Вьючные животными* (заполнив файл Лошадьми, верблюдами и ослы), а затем объединить их. Просмотреть содержимое созданного файла. Переименовать файл, дав ему новое имя (*Друзья человека*).

```
cat > pets.txt
```

```
dogs
```

```
cats
```

```
hamsters
```

```
user1@ubuntu-gb:~/ICII$ cat > pets.txt
```

```
dogs
```

```
cats
```

```
hamsters
```

```
user1@ubuntu-gb:~/ICII$ cat pets.txt
```

```
dogs
```

```
cats
```

```
hamsters
```

```
user1@ubuntu-gb:~/ICII$
```

```
cat > pack_animals.txt
```

```
horses
```

```
camels
```

```
donkeys
```

```
user1@ubuntu-gb:~/ICII$ cat > pack_animals.txt
```

```
horses
```

```
camels
```

```
donkeys
```

```
user1@ubuntu-gb:~/ICII$ cat pack_animals.txt
```

```
horses
```

```
camels
```

```
donkeys
```

```
user1@ubuntu-gb:~/ICII$
```

```
cat pets.txt pack_animals.txt > human_friends.txt
```

```
cat human_friends.txt
```

```
user1@ubuntu-gb:~/ICII$ cat pets.txt pack_animals.txt > human_friends.txt
```

```
user1@ubuntu-gb:~/ICII$ cat human_friends.txt
```

```
dogs
```

```
cats
```

```
hamsters
```

```
horses
```

```
camels
```

```
donkeys
```

```
user1@ubuntu-gb:~/ICII$
```

2) Создать директорию, переместить файл туда.

```
mkdir shelter
```

```
mv human_friends.txt ~/ICII/shelter
```

```

user1@ubuntu-gb:~/ICII$ mkdir shelter
user1@ubuntu-gb:~/ICII$ ls -l
total 16
-rw-rw-r-- 1 user1 user1 41 Jun 4 10:03 human_friends.txt
-rw-rw-r-- 1 user1 user1 22 Jun 4 10:01 pack_animals.txt
-rw-rw-r-- 1 user1 user1 19 Jun 4 10:00 pets.txt
drwxrwxr-x 2 user1 user1 4096 Jun 4 10:05 shelter
user1@ubuntu-gb:~/ICII$ mv human_friends.txt ~/ICII/shelter
user1@ubuntu-gb:~/ICII$ ls -l
total 12
-rw-rw-r-- 1 user1 user1 22 Jun 4 10:01 pack_animals.txt
-rw-rw-r-- 1 user1 user1 19 Jun 4 10:00 pets.txt
drwxrwxr-x 2 user1 user1 4096 Jun 4 10:06 shelter
user1@ubuntu-gb:~/ICII$ cd shelter/
user1@ubuntu-gb:~/ICII/shelter$ ls -l
total 4
-rw-rw-r-- 1 user1 user1 41 Jun 4 10:03 human_friends.txt
user1@ubuntu-gb:~/ICII/shelter$

```

3) Подключить дополнительный репозиторий MySQL. Установить любой пакет из этого репозитория.

```

sudo wget https://dev.mysql.com/get/mysql-apt-config_0.8.25-1_all.deb

```

```

user1@ubuntu-gb:~/ICII$ sudo wget https://dev.mysql.com/get/mysql-apt-conf
ig_0.8.25-1_all.deb
[sudo] password for user1:
--2023-06-04 10:09:06-- https://dev.mysql.com/get/mysql-apt-config_0.8.25
-1_all.deb
Resolving dev.mysql.com (dev.mysql.com)... 184.51.238.43, 2a02:2d8:0:7989:
:2e31
Connecting to dev.mysql.com (dev.mysql.com)|184.51.238.43|:443... connecte
d.
HTTP request sent, awaiting response... 302 Moved Temporarily
Location: https://repo.mysql.com//mysql-apt-config_0.8.25-1_all.deb [follo
wing]
--2023-06-04 10:09:09-- https://repo.mysql.com//mysql-apt-config_0.8.25-1
_all.deb
Resolving repo.mysql.com (repo.mysql.com)... 104.73.92.227
Connecting to repo.mysql.com (repo.mysql.com)|104.73.92.227|:443... connec
ted.
HTTP request sent, awaiting response... 200 OK
Length: 18120 (18K) [application/x-debian-package]
Saving to: 'mysql-apt-config_0.8.25-1_all.deb'

mysql-apt-config_0 100%[=====>] 17.70K --.-KB/s in 0.001s

2023-06-04 10:09:11 (22.3 MB/s) - 'mysql-apt-config_0.8.25-1_all.deb' save
d [18120/18120]

user1@ubuntu-gb:~/ICII$

```

```

sudo dpkg -i mysql-apt-config_0.8.25-1_all.deb

```

```
user1@ubuntu-gb:~/ICII$ sudo dpkg -i mysql-apr-config_0.8.25-1_all.deb
Selecting previously unselected package mysql-apr-config.
(Reading database ... 73248 files and directories currently installed.)
Preparing to unpack mysql-apr-config_0.8.25-1_all.deb ...
Unpacking mysql-apr-config (0.8.25-1) ...
Setting up mysql-apr-config (0.8.25-1) ...
user1@ubuntu-gb:~/ICII$
```

sudo apt update
sudo apt upgrade

sudo apt install mysql-server

```
user1@ubuntu-gb:~/ICII$ sudo apt install mysql-server
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  libmecab2 mecab-ipadic mecab-ipadic-utf8 mecab-utils mysql-client
  mysql-common mysql-community-client mysql-community-client-core
  mysql-community-client-plugins mysql-community-server
  mysql-community-server-core
The following NEW packages will be installed:
  libmecab2 mecab-ipadic mecab-ipadic-utf8 mecab-utils mysql-client
  mysql-common mysql-community-client mysql-community-client-core
  mysql-community-client-plugins mysql-community-server
  mysql-community-server-core mysql-server
0 upgraded, 12 newly installed, 0 to remove and 0 not upgraded.
Need to get 43.1 MB of archives.
After this operation, 366 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://repo.mysql.com/apt/ubuntu focal/mysql-8.0 amd64 mysql-common
amd64 8.0.33-1ubuntu20.04 [69.6 kB]
Get:2 http://ru.archive.ubuntu.com/ubuntu focal/main amd64 libmecab2 amd64
0.996-10build1 [233 kB]
Get:3 http://repo.mysql.com/apt/ubuntu focal/mysql-8.0 amd64 mysql-communi
```

...

```

reading /usr/share/mecab/dic/ipadic/Symbol.csv ... 208
reading /usr/share/mecab/dic/ipadic/Noun.name.csv ... 34202
reading /usr/share/mecab/dic/ipadic/Interjection.csv ... 252
reading /usr/share/mecab/dic/ipadic/Others.csv ... 2
reading /usr/share/mecab/dic/ipadic/Noun.nai.csv ... 42
reading /usr/share/mecab/dic/ipadic/Conjunction.csv ... 171
reading /usr/share/mecab/dic/ipadic/Postp-col.csv ... 91
reading /usr/share/mecab/dic/ipadic/Noun.adjv.csv ... 3328
emitting double-array: 100% |#####|
reading /usr/share/mecab/dic/ipadic/matrix.def ... 1316x1316
emitting matrix      : 100% |#####|

done!
update-alternatives: using /var/lib/mecab/dic/ipadic-utf8 to provide /var/
lib/mecab/dic/debian (mecab-dictionary) in auto mode
Setting up mysql-community-client (8.0.33-1ubuntu20.04) ...
Setting up mysql-client (8.0.33-1ubuntu20.04) ...
Setting up mysql-community-server (8.0.33-1ubuntu20.04) ...
update-alternatives: using /etc/mysql/mysql.cnf to provide /etc/mysql/my.c
nf (my.cnf) in auto mode
Created symlink /etc/systemd/system/multi-user.target.wants/mysql.service
→ /lib/systemd/system/mysql.service.
Setting up mysql-server (8.0.33-1ubuntu20.04) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libc-bin (2.31-0ubuntu9.9) ...
user1@ubuntu-gb:~/ICII$ █

```

4) Установить и удалить deb-пакет с помощью dpkg.

Deb-пакет берем с <https://launchpad.net/ubuntu/+source/gnome-commander/1.16.0-1/+build/25518043>

```

sudo wget https://launchpad.net/ubuntu/+source/gnome-commander/1.16.0-
1/+build/25518043/+files/gnome-commander-data_1.16.0-1_all.deb

```

```

user1@ubuntu-gb:~/ICII$ sudo wget https://launchpad.net/ubuntu/+source/gnome-commander/1.16.0-1/+build/25518043/+files/gnome-commander-data_1.16.0-1_all.deb
--2023-06-04 15:06:43-- https://launchpad.net/ubuntu/+source/gnome-commander/1.16.0-1/+build/25518043/+files/gnome-commander-data_1.16.0-1_all.deb
Resolving launchpad.net (launchpad.net)... 185.125.189.223, 185.125.189.222, 2620:2d:4000:1001::8003, ...
Connecting to launchpad.net (launchpad.net)|185.125.189.223|:443... connected.
HTTP request sent, awaiting response... 303 See Other
Location: https://launchpadlibrarian.net/647823230/gnome-commander-data_1.16.0-1_all.deb [following]
--2023-06-04 15:06:44-- https://launchpadlibrarian.net/647823230/gnome-commander-data_1.16.0-1_all.deb
Resolving launchpadlibrarian.net (launchpadlibrarian.net)... 185.125.189.228, 185.125.189.229, 2620:2d:4000:1001::8007, ...
Connecting to launchpadlibrarian.net (launchpadlibrarian.net)|185.125.189.228|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 1950724 (1.9M) [application/x-debian-package]
Saving to: 'gnome-commander-data_1.16.0-1_all.deb'

gnome-commander-da 100%[=====>] 1.86M 3.96MB/s in 0.5s

2023-06-04 15:06:45 (3.96 MB/s) - 'gnome-commander-data_1.16.0-1_all.deb'
saved [1950724/1950724]

user1@ubuntu-gb:~/ICII$ █

```

ll

```

user1@ubuntu-gb:~/ICII$ ll
total 1948
drwxrwxr-x 3 user1 user1 4096 Jun 4 15:06 ./
drwxr-xr-x 10 user1 user1 4096 Jun 4 09:59 ../
-rw-r--r-- 1 root root 1950724 Jan 25 05:44 gnome-commander-data_1.16.0-1_all.deb
-rw-r--r-- 1 root root 18120 Mar 30 16:31 mysql-apt-config_0.8.25-1_all.deb
-rw-rw-r-- 1 user1 user1 22 Jun 4 10:01 pack_animals.txt
-rw-rw-r-- 1 user1 user1 19 Jun 4 10:00 pets.txt
drwxrwxr-x 2 user1 user1 4096 Jun 4 10:06 shelter/
user1@ubuntu-gb:~/ICII$ █

```

sudo dpkg -i gnome-commander-data_1.16.0-1_all.deb

```
user1@ubuntu-gb:~/ICII$ sudo dpkg -i gnome-commander-data_1.16.0-1_all.deb
Selecting previously unselected package gnome-commander-data.
(Reading database ... 110040 files and directories currently installed.)
Preparing to unpack gnome-commander-data_1.16.0-1_all.deb ...
Unpacking gnome-commander-data (1.16.0-1) ...
Setting up gnome-commander-data (1.16.0-1) ...
Processing triggers for libglib2.0-0:amd64 (2.64.6-1~ubuntu20.04.4) ...
Processing triggers for man-db (2.9.1-1) ...
user1@ubuntu-gb:~/ICII$
```

sudo apt install -f

sudo apt install -f

```
user1@ubuntu-gb:~/ICII$ sudo apt install -f
Reading package lists... Done
Building dependency tree
Reading state information... Done
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
```

sudo apt list --installed

```
1 amd64 [installed,automatic]
glib-networking/focal-updates,focal-security,now 2.64.2-1ubuntu0.1 amd64 [
installed,automatic]
gnome-commander-data/now 1.16.0-1 all [installed,local]
gnupg-l10n/focal-updates,focal-security,now 2.2.19-3ubuntu2.2 all [install
ed,automatic]
gnupg-utils/focal-updates,focal-security,now 2.2.19-3ubuntu2.2 amd64 [inst
```

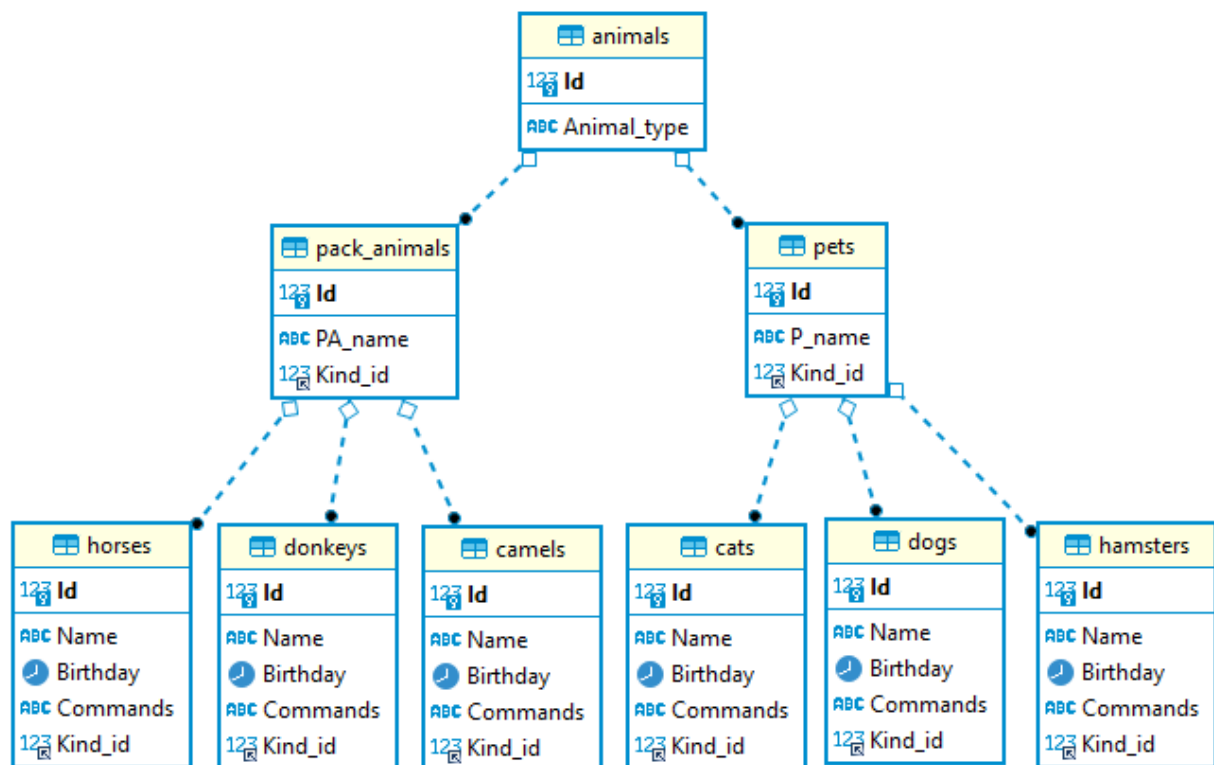
sudo dpkg -r gnome-commander

```
user1@ubuntu-gb:~$ sudo dpkg -r gnome-commander-data
(Reading database ... 110431 files and directories currently installed.)
Removing gnome-commander-data (1.16.0-1) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libglib2.0-0:amd64 (2.64.6-1~ubuntu20.04.4) ...
user1@ubuntu-gb:~$
```

5) Выложить историю команд в терминале ubuntu

Команда history. Но в сессии там 500 команд... Может не надо?

6) Нарисовать диаграмму, в которой есть класс родительский класс, домашние животные и вьючные животные, в составы которых в случае домашних животных войдут классы: собаки, кошки, хомяки, а в класс вьючные животные войдут: Лошади, верблюды и ослы).



7) -12) Решение приложено в файле *Script_MySQL_Animals.sql*.

13) -15) Решение приложено в папке *AnimalShelter*. Реализовано на Java.