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

```
bietli@bietli-VirtualBox:~$ cat > pets
dogs
cats
hamsters
^C
bietli@bietli-VirtualBox:~$ cat > pack_animals
horses
camels
donkeys
^C
bietli@bietli-VirtualBox:~$ cat pets pack_animals > nursery
bietli@bietli-VirtualBox:~$ cat nursery
dogs
cats
hamsters
horses
camels
donkeys
bietli@bietli-VirtualBox:~$ mv nursery human_friends
```

2. Создать директорию, переместить файлы туда.

```
bietli@bietli-VirtualBox:~$ mkdir nursery
bietli@bietli-VirtualBox:~$ mv human_friends nursery/
```

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

```
bietli@bietli-VirtualBox:~$ wget https://repo.mysql.com//mysql-apt-config_0.8.24-1_all.deb
--2023-06-11 23:30:45--  https://repo.mysql.com//mysql-apt-config_0.8.24-1_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... connected.
HTTP request sent, awaiting response... 200 OK
Length: 18048 (18K) [application/x-debian-package]
Saving to: 'mysql-apt-config_0.8.24-1_all.deb'

mysql-apt-config_0.8.24-1_all.de 100%[===================================================>]  17,62K  --.-KB/s    in 0,006s

2023-06-11 23:30:46 (3,06 MB/s) - 'mysql-apt-config_0.8.24-1_all.deb' saved [18048/18048]

bietli@bietli-VirtualBox:~$ sudo dpkg -i mysql-apt-config_0.8.24-1_all.deb
[sudo] password for bietli:
Selecting previously unselected package mysql-apt-config.
(Reading database ... 187281 files and directories currently installed.)
Preparing to unpack mysql-apt-config_0.8.24-1_all.deb ...
Unpacking mysql-apt-config (0.8.24-1) ...
Setting up mysql-apt-config (0.8.24-1) ...
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
bietli@bietli-VirtualBox:~$ sudo apt update
Hit:1 http://ru.archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://repo.mysql.com/apt/ubuntu jammy InRelease [15,2 kB]
Get:3 http://ru.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Get:4 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Get:5 http://ru.archive.ubuntu.com/ubuntu jammy-backports InRelease [108 kB]
Get:6 http://ru.archive.ubuntu.com/ubuntu jammy-updates/main i386 Packages [419 kB]
Get:7 http://ru.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [672 kB]
Get:8 http://ru.archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [182 kB]
Get:9 http://ru.archive.ubuntu.com/ubuntu jammy-updates/main amd64 DEP-11 Metadata [102 kB]
Get:10 http://ru.archive.ubuntu.com/ubuntu jammy-updates/main amd64 c-n-f Metadata [15,0 kB]
Get:11 http://ru.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages [350 kB]
Get:12 http://ru.archive.ubuntu.com/ubuntu jammy-updates/restricted Translation-en [52,8 kB]
Get:13 http://ru.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [920 kB]
Get:14 http://ru.archive.ubuntu.com/ubuntu jammy-updates/universe i386 Packages [622 kB]
Get:15 http://ru.archive.ubuntu.com/ubuntu jammy-updates/universe Translation-en [194 kB]
Get:16 http://ru.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 DEP-11 Metadata [274 kB]
Get:17 http://ru.archive.ubuntu.com/ubuntu jammy-updates/universe DEP-11 48x48 Icons [185 kB]
Get:18 http://ru.archive.ubuntu.com/ubuntu jammy-updates/universe DEP-11 64x64 Icons [284 kB]
Get:19 http://ru.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 c-n-f Metadata [20,0 kB]
Get:20 http://ru.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 DEP-11 Metadata [940 B]
Get:21 http://ru.archive.ubuntu.com/ubuntu jammy-backports/main amd64 DEP-11 Metadata [8 000 B]
Get:22 http://ru.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 Packages [23,4 kB]
```

```
bietli@bietli-VirtualBox:~$ sudo apt install -y mysql-server
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following packages were automatically installed and are no longer required:
  libcgi-fast-perl libcgi-pm-perl libevent-core-2.1-7 libevent-pthreads-2.1-7 libfcgi-bin libfcgi-perl libfcgi0ldbl
  libhtml-template-perl libprotobuf-lite23
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
  mysql-client mysql-common mysql-community-client mysql-community-client-core mysql-community-client-plugins
  mysql-community-server mysql-community-server-core
The following packages will be REMOVED:
  mysql-client-8.0 mysql-client-core-8.0 mysql-server-8.0 mysql-server-core-8.0
The following NEW packages will be installed:
  mysql-client mysql-community-client mysql-community-client-core mysql-community-client-plugins mysql-community-server
  mysql-community-server-core
The following packages will be upgraded:
  mysql-common mysql-server
2 upgraded, 6 newly installed, 4 to remove and 123 not upgraded.
Need to get 31,2 MB of archives.
After this operation, 33,4 MB of additional disk space will be used.
Get:1 http://repo.mysql.com/apt/ubuntu jammy/mysql-8.0 amd64 mysql-server amd64 8.0.33-1ubuntu22.04 [67,6 kB]
Get:2 http://repo.mysql.com/apt/ubuntu jammy/mysql-8.0 amd64 mysql-common amd64 8.0.33-1ubuntu22.04 [68,9 kB]
Get:3 http://repo.mysql.com/apt/ubuntu jammy/mysql-8.0 amd64 mysql-community-client-plugins amd64 8.0.33-1ubuntu22.04 [1 436 kB]
Get:4 http://repo.mysql.com/apt/ubuntu jammy/mysql-8.0 amd64 mysql-community-client-core amd64 8.0.33-1ubuntu22.04 [2 161 kB]
Get:5 http://repo.mysql.com/apt/ubuntu jammy/mysql-8.0 amd64 mysql-community-client amd64 8.0.33-1ubuntu22.04 [2 281 kB]
Get:6 http://repo.mysql.com/apt/ubuntu jammy/mysql-8.0 amd64 mysql-client amd64 8.0.33-1ubuntu22.04 [67,6 kB]
Get:7 http://repo.mysql.com/apt/ubuntu jammy/mysql-8.0 amd64 mysql-community-server-core amd64 8.0.33-1ubuntu22.04 [25,0 MB]
Get:8 http://repo.mysql.com/apt/ubuntu jammy/mysql-8.0 amd64 mysql-community-server amd64 8.0.33-1ubuntu22.04 [79,4 kB]
Fetched 31,2 MB in 3s (8 984 kB/s)
```

```
bietli@bietli-VirtualBox:~$ systemctl status mysql
● mysql.service - MySQL Community Server
     Loaded: loaded (/lib/systemd/system/mysql.service; enabled; vendor preset: enabled)
     Active: active (running) since Sun 2023-06-11 23:38:32 +08; 2min 17s ago
       Docs: man:mysqld(8)
             http://dev.mysql.com/doc/refman/en/using-systemd.html
   Main PID: 5942 (mysqld)
     Status: "Server is operational"
      Tasks: 37 (limit: 9445)
     Memory: 367.1M
        CPU: 2.114s
     CGroup: /system.slice/mysql.service
             └─5942 /usr/sbin/mysqld

июн 11 23:38:30 bietli-VirtualBox systemd[1]: Starting MySQL Community Server...
июн 11 23:38:32 bietli-VirtualBox systemd[1]: Started MySQL Community Server.
bietli@bietli-VirtualBox:~$ sudo mysql -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.33 MySQL Community Server - GPL

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> exit
Bye
```

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

```
bietli@bietli-VirtualBox:~$ wget https://zoom.us/client/5.14.10.3738/zoom_amd64.deb
--2023-06-12 23:08:27--  https://zoom.us/client/5.14.10.3738/zoom_amd64.deb
Resolving zoom.us (zoom.us)... 170.114.52.2, 2407:30c0:182::aa72:3402
Connecting to zoom.us (zoom.us)|170.114.52.2|:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://cdn.zoom.us/prod/5.14.10.3738/zoom_amd64.deb [following]
--2023-06-12 23:08:27--  https://cdn.zoom.us/prod/5.14.10.3738/zoom_amd64.deb
Resolving cdn.zoom.us (cdn.zoom.us)... 52.84.151.30, 52.84.151.9, 52.84.151.10, ...
Connecting to cdn.zoom.us (cdn.zoom.us)|52.84.151.30|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 169166322 (161M) [application/vnd.debian.binary-package]
Saving to: 'zoom_amd64.deb.1'

zoom_amd64.deb.1         100%[=====================================>] 161,33M  25,5MB/s    in 7,2s

2023-06-12 23:08:35 (22,4 MB/s) - 'zoom_amd64.deb.1' saved [169166322/169166322]

bietli@bietli-VirtualBox:~$ sudo dpkg -i zoom_amd64.deb
Selecting previously unselected package zoom.
(Reading database ... 187372 files and directories currently installed.)
Preparing to unpack zoom_amd64.deb ...
Unpacking zoom (5.14.10.3738) ...
Setting up zoom (5.14.10.3738) ...
run post install script, action is configure...
Processing triggers for mailcap (3.70+nmu1ubuntu1) ...
Processing triggers for gnome-menus (3.36.0-1ubuntu3) ...
Processing triggers for desktop-file-utils (0.26-1ubuntu3) ...
Processing triggers for shared-mime-info (2.1-2) ...
bietli@bietli-VirtualBox:~$ sudo apt -f install
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following packages were automatically installed and are no longer required:
  libcgi-fast-perl libcgi-pm-perl libevent-core-2.1-7 libevent-pthreads-2.1-7 libfcgi-bin libfcgi-perl
  libfcgi0ldbl libhtml-template-perl libprotobuf-lite23
Use 'sudo apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 116 not upgraded.
N: Ignoring file 'jdk-19_linux-x64_bin.deb' in directory '/etc/apt/sources.list.d/' as it has an invalid filename extension
bietli@bietli-VirtualBox:~$ apt list | grep zoom

WARNING: apt does not have a stable CLI interface. Use with caution in scripts.

libnet-z3950-simple2zoom-perl/jammy,jammy 1.04-1.1 all
libnet-z3950-zoom-perl/jammy 1.30-3build2 amd64
node-d3-zoom/jammy,jammy 1.8.3-2 all
ruby-zoom/jammy 0.5.0-2build2 amd64
xzoom/jammy 0.3-26 amd64
zoom-player/jammy 1.1.5~dfsg-6 amd64
zoom/now 5.14.10.3738 amd64 [installed,local]
bietli@bietli-VirtualBox:~$ sudo dpkg -r zoom
(Reading database ... 190226 files and directories currently installed.)
Removing zoom (5.14.10.3738) ...
run post uninstall script, action is remove ...
Processing triggers for shared-mime-info (2.1-2) ...
Processing triggers for mailcap (3.70+nmu1ubuntu1) ...
Processing triggers for gnome-menus (3.36.0-1ubuntu3) ...
Processing triggers for desktop-file-utils (0.26-1ubuntu3) ...
```