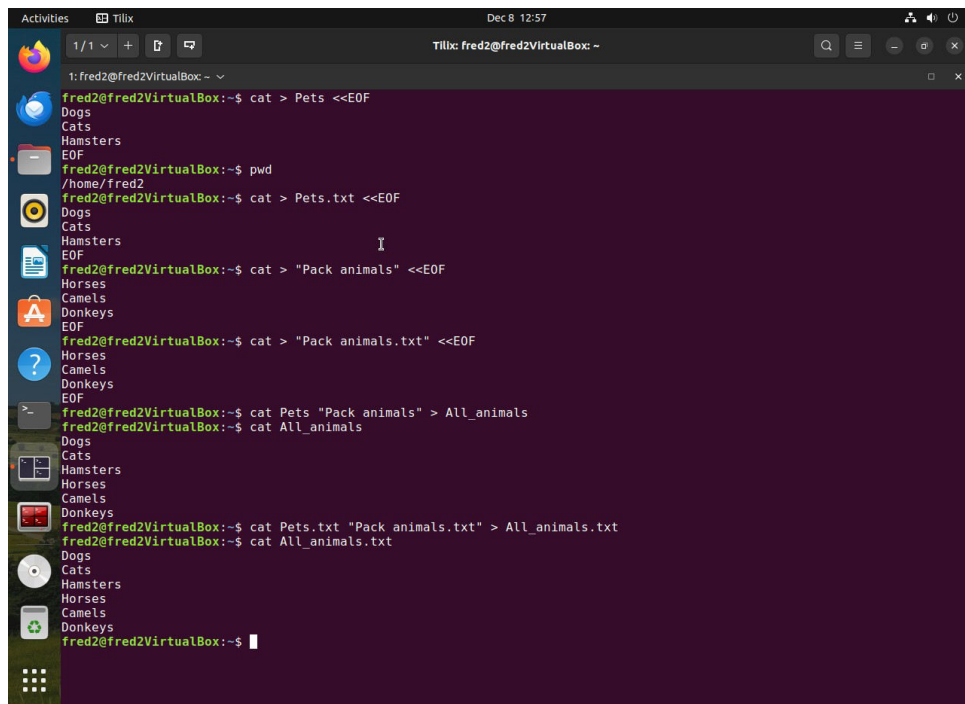
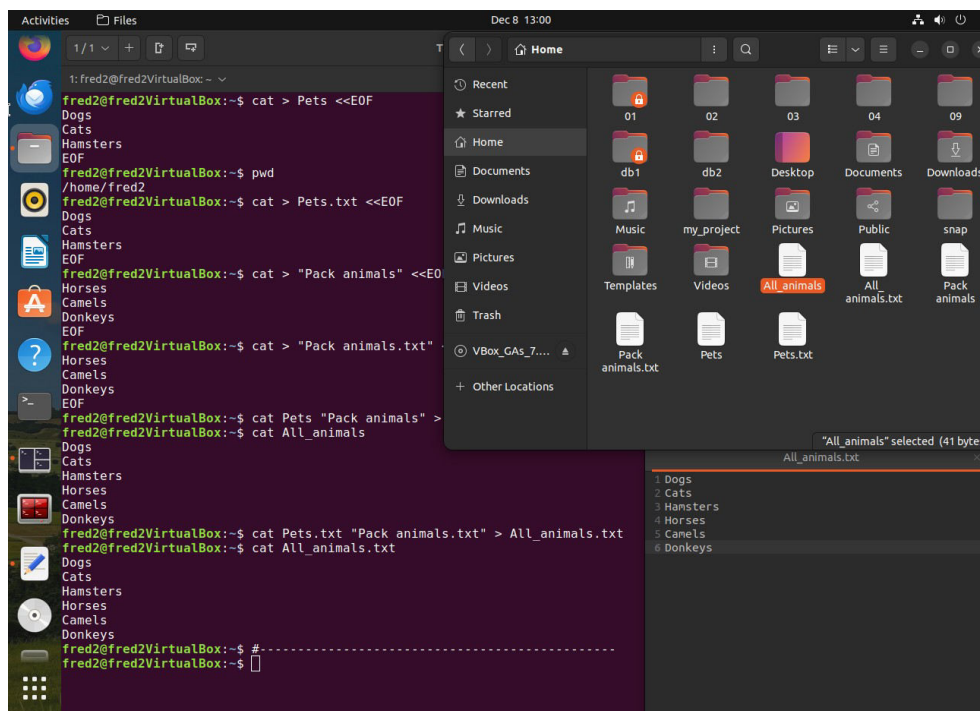


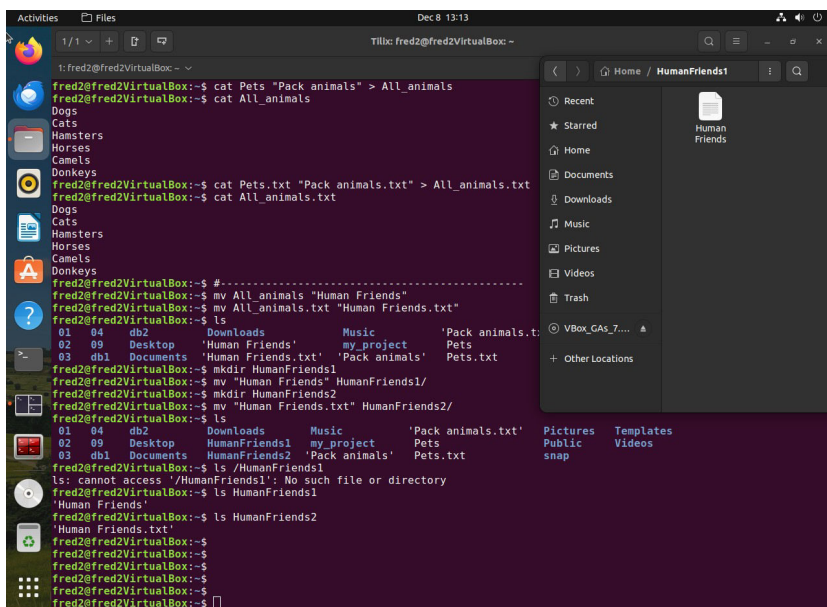
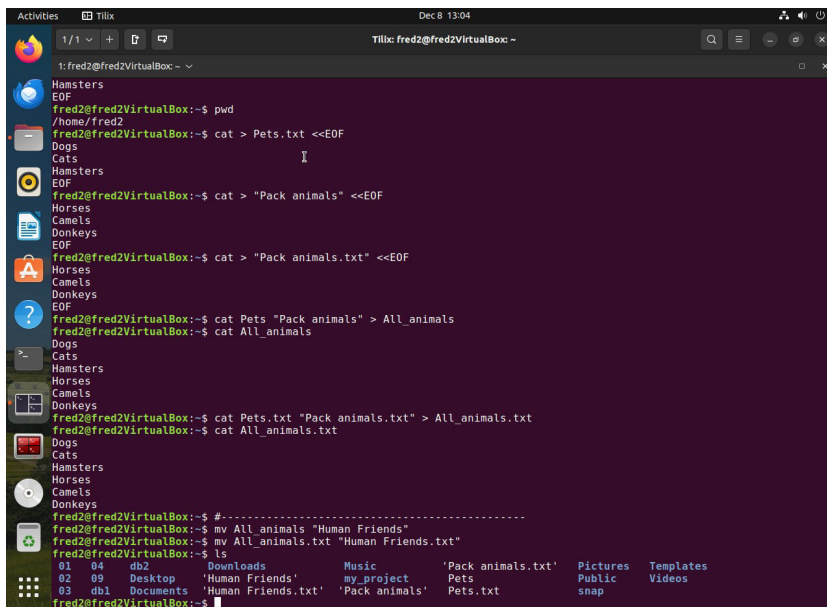
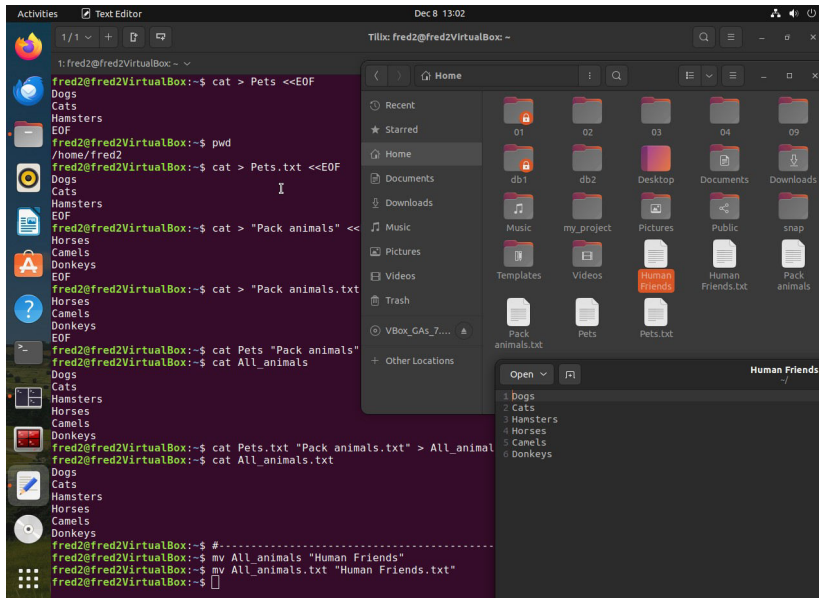
1. Используя команду cat в терминале операционной системы Linux, создать два файла Домашние животные (заполнив файл собаками, кошками, хомяками) и Выючные животными заполнив файл Лошадьми, верблюдами и осли), а затем объединить их. Просмотреть содержимое созданного файла. Переименовать файл, дав ему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



```
1: fred2@fred2VirtualBox: ~  
fred2@fred2VirtualBox:~$ cat > Pets <<EOF  
Dogs  
Cats  
Hamsters  
EOF  
fred2@fred2VirtualBox:~$ pwd  
/home/fred2  
fred2@fred2VirtualBox:~$ cat > Pets.txt <<EOF  
Dogs  
Cats  
Hamsters  
EOF  
fred2@fred2VirtualBox:~$ cat > "Pack animals" <<EOF  
Horses  
Camels  
Donkeys  
EOF  
fred2@fred2VirtualBox:~$ cat > "Pack animals.txt" <<EOF  
Horses  
Camels  
Donkeys  
EOF  
fred2@fred2VirtualBox:~$ cat Pets "Pack animals" > All_animals  
fred2@fred2VirtualBox:~$ cat All_animals  
Dogs  
Cats  
Hamsters  
Horses  
Camels  
Donkeys  
fred2@fred2VirtualBox:~$ cat Pets.txt "Pack animals.txt" > All_animals.txt  
fred2@fred2VirtualBox:~$ cat All_animals.txt  
Dogs  
Cats  
Hamsters  
Horses  
Camels  
Donkeys  
fred2@fred2VirtualBox:~$
```



2. Создать директорию, переместить файл туда.



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

```
Activities  Tilix  Dec 8 13:24
Tilix: fred2@fred2VirtualBox: ~
1:fred2@fred2VirtualBox: ~
fred2@fred2VirtualBox:~$
fred2@fred2VirtualBox:~$ uname -a
Linux fred2VirtualBox 6.2.0-34-generic #34-22.04.1-Ubuntu SMP PREEMPT_DYNAMIC Thu Sep  7 13:12:03 UTC 2 x86_64 x86_64 x86_64 GNU/Linux
fred2@fred2VirtualBox:~$
fred2@fred2VirtualBox:~$
fred2@fred2VirtualBox:~$
fred2@fred2VirtualBox:~$
fred2@fred2VirtualBox:~$ sudo apt update
[sudo] password for fred2:
Get:1 https://download.docker.com/linux/ubuntu jammy InRelease [48.8 kB]
Get:2 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Hit:3 http://ca.archive.ubuntu.com/ubuntu jammy InRelease
Get:4 http://ca.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Get:5 https://download.docker.com/linux/ubuntu jammy/stable amd64 Packages [22.9 kB]
Get:6 http://ca.archive.ubuntu.com/ubuntu jammy-backports InRelease [109 kB]
Get:7 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [1,016 kB]
Get:8 http://ca.archive.ubuntu.com/ubuntu jammy-updates/main i386 Packages [543 kB]
Get:9 http://security.ubuntu.com/ubuntu jammy-security/main i386 Packages [376 kB]
Get:10 http://ca.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [1,244 kB]
Get:11 http://security.ubuntu.com/ubuntu jammy-security/main Translation-en [195 kB]
Get:12 http://security.ubuntu.com/ubuntu jammy-security/main amd64 DEP-11 Metadata [43.0 kB]
Get:13 http://security.ubuntu.com/ubuntu jammy-security/main amd64 c-n-f Metadata [11.4 kB]
Get:14 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [1,179 kB]
Get:15 http://security.ubuntu.com/ubuntu jammy-security/restricted i386 Packages [32.4 kB]
Get:16 http://security.ubuntu.com/ubuntu jammy-security/restricted Translation-en [101 kB]
Get:17 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 c-n-f Metadata [520 B]
Get:18 http://security.ubuntu.com/ubuntu jammy-security/universe i386 Packages [577 kB]
Get:19 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [815 kB]
Get:20 http://ca.archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [257 kB]
Get:21 http://ca.archive.ubuntu.com/ubuntu jammy-updates/main amd64 DEP-11 Metadata [101 kB]
Get:22 http://ca.archive.ubuntu.com/ubuntu jammy-updates/main amd64 c-n-f Metadata [16.1 kB]
Get:23 http://ca.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages [1,226 kB]
Get:24 http://ca.archive.ubuntu.com/ubuntu jammy-updates/restricted i386 Packages [32.8 kB]
Get:25 http://ca.archive.ubuntu.com/ubuntu jammy-updates/restricted Translation-en [199 kB]
Get:26 http://security.ubuntu.com/ubuntu jammy-security/universe Translation-en [152 kB]
Get:27 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 DEP-11 Metadata [55.1 kB]
Get:28 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 c-n-f Metadata [16.8 kB]
Get:29 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 Packages [36.5 kB]
Get:30 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 c-n-f Metadata [260 B]
Get:31 http://ca.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 c-n-f Metadata [520 B]
```

```
Activities  Tilix  Dec 8 13:24
Tilix: fred2@fred2VirtualBox: ~
1:fred2@fred2VirtualBox: ~
Get:49 http://ca.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 c-n-f Metadata [644 B]
Fetched 11.2 MB in 17s (656 kB/s)
Reading package lists... Done
Building dependency tree... Done
136 packages can be upgraded. Run 'apt list --upgradable' to see them.
fred2@fred2VirtualBox:~$ sudo apt install software-properties-common
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  python3-software-properties software-properties-gtk
The following packages will be upgraded:
  python3-software-properties software-properties-common software-properties-gtk
3 upgraded, 0 newly installed, 0 to remove and 133 not upgraded.
Need to get 114 kB of archives.
After this operation, 6,144 B of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://ca.archive.ubuntu.com/ubuntu jammy-updates/main amd64 software-properties-common all 0.99.22.8 [14.1 kB]
Get:2 http://ca.archive.ubuntu.com/ubuntu jammy-updates/main amd64 software-properties-gtk all 0.99.22.8 [71.3 kB]
Get:3 http://ca.archive.ubuntu.com/ubuntu jammy-updates/main amd64 python3-software-properties all 0.99.22.8 [28.8 kB]
Fetched 114 kB in 11s (10.1 kB/s)
(Reading database ... 280558 files and directories currently installed.)
Preparing to unpack .../software-properties-common_0.99.22.8_all.deb ...
Unpacking software-properties-common (0.99.22.8) over (0.99.22.7) ...
Preparing to unpack .../software-properties-gtk_0.99.22.8_all.deb ...
Unpacking software-properties-gtk (0.99.22.8) over (0.99.22.7) ...
Preparing to unpack .../python3-software-properties_0.99.22.8_all.deb ...
Unpacking python3-software-properties (0.99.22.8) over (0.99.22.7) ...
Setting up python3-software-properties (0.99.22.8) ...
Setting up software-properties-gtk (0.99.22.8) ...
Processing triggers for dbus (1.12.20-2ubuntu4.1) ...
Processing triggers for shared-mime-info (2.1-2) ...
Processing triggers for mailcap (3.70+nmu1ubuntu1) ...
Processing triggers for desktop-file-utils (0.26-1ubuntu3) ...
Processing triggers for hicolor-icon-theme (0.17-2) ...
Processing triggers for gnome-menus (3.36.0-1ubuntu3) ...
Processing triggers for libgl1:0.0-amd64 (2.72.4-0ubuntu2.2) ...
Processing triggers for man-db (2.10.2-1) ...
fred2@fred2VirtualBox:~$
```



```
Activities 1/1 + TiliX Dec 8 13:36
TiliX: fred2@fred2VirtualBox: ~
1:fred2@fred2VirtualBox: ~
Adding disabled deb-src entry to /etc/apt/sources.list.d/archive_uri-http_repo_mysql_com_apt_ubuntu_jammy.list
Hit:1 https://download.docker.com/linux/ubuntu jammy InRelease
Get:2 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Ign:3 http://repo.mysql.com/apt/ubuntu 22.04 InRelease
Err:4 http://repo.mysql.com/apt/ubuntu 22.04 Release
404 Not Found [IP: 23.210.173.94:80]
Hit:5 http://ca.archive.ubuntu.com/ubuntu jammy InRelease
Get:6 http://ca.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Hit:7 http://ca.archive.ubuntu.com/ubuntu jammy-backports InRelease
Reading package lists... Done
E: The repository 'http://repo.mysql.com/apt/ubuntu 22.04 Release' does not have a Release file.
N: Updating from such a repository can't be done securely, and is therefore disabled by default.
N: See apt-secure(8) manpage for repository creation and user configuration details.
fred2@fred2VirtualBox:~$ sudo apt update
Hit:1 http://security.ubuntu.com/ubuntu jammy-security InRelease
Ign:2 http://repo.mysql.com/apt/ubuntu 22.04 InRelease
Err:3 http://repo.mysql.com/apt/ubuntu 22.04 Release
404 Not Found [IP: 23.210.173.94:80]
Hit:4 https://download.docker.com/linux/ubuntu jammy InRelease
Hit:5 http://ca.archive.ubuntu.com/ubuntu jammy InRelease
Hit:6 http://ca.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:7 http://ca.archive.ubuntu.com/ubuntu jammy-backports InRelease
Reading package lists... Done
E: The repository 'http://repo.mysql.com/apt/ubuntu 22.04 Release' does not have a Release file.
N: Updating from such a repository can't be done securely, and is therefore disabled by default.
N: See apt-secure(8) manpage for repository creation and user configuration details.
fred2@fred2VirtualBox:~$ sudo apt install mysql-server
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  libaio1 libcgi-fast-perl libcgi-pm-perl libevent-core-2.1-7 libevent-pthreads-2.1-7 libfcgi-bin libfcgi-perl
  libfcgi0ldbl libhtml-template-perl libmecab2 libprotobuf-lite23 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:
  libipc-sharedcache-perl mailx tinyca
The following NEW packages will be installed:
  libaio1 libcgi-fast-perl libcgi-pm-perl libevent-core-2.1-7 libevent-pthreads-2.1-7 libfcgi-bin libfcgi-perl
  libfcgi0ldbl libhtml-template-perl libmecab2 libprotobuf-lite23 mecab-ipadic mecab-ipadic-utf8 mecab-utils
  mysql-client-8.0 mysql-client-core-8.0 mysql-common mysql-server mysql-server-8.0 mysql-server-core-8.0
0 upgraded, 20 newly installed, 0 to remove and 133 not upgraded.
Need to get 29.3 MB of archives.
After this operation, 242 MB of additional disk space will be used.
```

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

```
Activities 1/1 + TiliX Dec 8 13:36
TiliX: fred2@fred2VirtualBox: ~
1:fred2@fred2VirtualBox: ~
Adding disabled deb-src entry to /etc/apt/sources.list.d/archive_uri-http_repo_mysql_com_apt_ubuntu_jammy.list
Hit:1 https://download.docker.com/linux/ubuntu jammy InRelease
Get:2 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Ign:3 http://repo.mysql.com/apt/ubuntu 22.04 InRelease
Err:4 http://repo.mysql.com/apt/ubuntu 22.04 Release
404 Not Found [IP: 23.210.173.94:80]
Hit:5 http://ca.archive.ubuntu.com/ubuntu jammy InRelease
Get:6 http://ca.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Hit:7 http://ca.archive.ubuntu.com/ubuntu jammy-backports InRelease
Reading package lists... Done
E: The repository 'http://repo.mysql.com/apt/ubuntu 22.04 Release' does not have a Release file.
N: Updating from such a repository can't be done securely, and is therefore disabled by default.
N: See apt-secure(8) manpage for repository creation and user configuration details.
fred2@fred2VirtualBox:~$ sudo apt update
Hit:1 http://security.ubuntu.com/ubuntu jammy-security InRelease
Ign:2 http://repo.mysql.com/apt/ubuntu 22.04 InRelease
Err:3 http://repo.mysql.com/apt/ubuntu 22.04 Release
404 Not Found [IP: 23.210.173.94:80]
Hit:4 https://download.docker.com/linux/ubuntu jammy InRelease
Hit:5 http://ca.archive.ubuntu.com/ubuntu jammy InRelease
Hit:6 http://ca.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:7 http://ca.archive.ubuntu.com/ubuntu jammy-backports InRelease
Reading package lists... Done
E: The repository 'http://repo.mysql.com/apt/ubuntu 22.04 Release' does not have a Release file.
N: Updating from such a repository can't be done securely, and is therefore disabled by default.
N: See apt-secure(8) manpage for repository creation and user configuration details.
fred2@fred2VirtualBox:~$ sudo apt install mysql-server
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  libaio1 libcgi-fast-perl libcgi-pm-perl libevent-core-2.1-7 libevent-pthreads-2.1-7 libfcgi-bin libfcgi-perl
  libfcgi0ldbl libhtml-template-perl libmecab2 libprotobuf-lite23 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:
  libipc-sharedcache-perl mailx tinyca
The following NEW packages will be installed:
  libaio1 libcgi-fast-perl libcgi-pm-perl libevent-core-2.1-7 libevent-pthreads-2.1-7 libfcgi-bin libfcgi-perl
  libfcgi0ldbl libhtml-template-perl libmecab2 libprotobuf-lite23 mecab-ipadic mecab-ipadic-utf8 mecab-utils
  mysql-client-8.0 mysql-client-core-8.0 mysql-common mysql-server mysql-server-8.0 mysql-server-core-8.0
0 upgraded, 20 newly installed, 0 to remove and 133 not upgraded.
Need to get 29.3 MB of archives.
After this operation, 242 MB of additional disk space will be used.
```

```
Activities TiliX Dec 8 14:41
TiliX: fred2@fred2VirtualBox: ~
1:fred2@fred2VirtualBox: ~
fred2@fred2VirtualBox:~$
fred2@fred2VirtualBox:~$ wget http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2_2.4.48-3ubuntu18.04.1+deb.su
ry.org+1_amd64.deb
--2023-12-08 14:31:29-- http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2_2.4.48-3ubuntu18.04.1+deb.sury.or
g+1_amd64.deb
Resolving archive.ubuntu.com (archive.ubuntu.com)... 91.189.91.82, 91.189.91.83, 185.125.190.36, ...
Connecting to archive.ubuntu.com (archive.ubuntu.com)[91.189.91.82]:80... connected.
HTTP request sent, awaiting response... 404 Not Found
2023-12-08 14:31:30 ERROR 404: Not Found.

fred2@fred2VirtualBox:~$ wget http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2-bin_2.4.52-lubuntu4_amd64.deb
--2023-12-08 14:33:45-- http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2-bin_2.4.52-lubuntu4_amd64.deb
Resolving archive.ubuntu.com (archive.ubuntu.com)... 185.125.190.39, 91.189.91.81, 91.189.91.82, ...
Connecting to archive.ubuntu.com (archive.ubuntu.com)[185.125.190.39]:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 1343628 (1.3M) [application/x-deb-package]
Saving to: 'apache2-bin_2.4.52-lubuntu4_amd64.deb'

apache2-bin_2.4.52-lubuntu4_a 100%[=====] 1.28M 1.50MB/s in 0.9s

2023-12-08 14:33:47 (1.50 MB/s) - 'apache2-bin_2.4.52-lubuntu4_amd64.deb' saved [1343628/1343628]

fred2@fred2VirtualBox:~$ pwd
/home/fred2
fred2@fred2VirtualBox:~$ ls
01 db1 HumanFriends2 Pets.txt wget_1.21.2-lubuntu3_amd64.deb
02 db2 Music Pictures wget_1.21.4-lubuntu1_1386.deb
03 Desktop my_project Public wget_1.21.4.orig.tar.gz.asc
04 Documents 'Pack animals' snap
09 Downloads 'Pack animals.txt' Templates
HumanFriends1 Pets Videos

fred2@fred2VirtualBox:~$ sudo dpkg -i apache2-bin_2.4.52-lubuntu4_amd64.deb
Selecting previously unselected package apache2-bin.
(Reading database ... 200885 files and directories currently installed.)
Preparing to unpack apache2-bin_2.4.52-lubuntu4_amd64.deb ...
Unpacking apache2-bin (2.4.52-lubuntu4) ...
dpkg: dependency problems prevent configuration of apache2-bin:
 apache2-bin depends on libapr1 (>= 1.7.0); however:
  Package libapr1 is not installed.
 apache2-bin depends on libaprutil1 (>= 1.6.0); however:
  Package libaprutil1 is not installed.
 apache2-bin depends on libaprutil1-dbd-sqlite3 | libaprutil1-dbd-mysql | libaprutil1-dbd-odbc | libaprutil1-dbd-pgsql |
```

```
Activities TiliX Dec 8 14:41
TiliX: fred2@fred2VirtualBox: ~
1:fred2@fred2VirtualBox: ~
fred2@fred2VirtualBox:~$ ls
01 db1 HumanFriends2 Pets.txt wget_1.21.2-lubuntu3_amd64.deb
02 db2 Music Pictures wget_1.21.4-lubuntu1_1386.deb
03 Desktop my_project Public wget_1.21.4.orig.tar.gz.asc
04 Documents 'Pack animals' snap
09 Downloads 'Pack animals.txt' Templates
HumanFriends1 Pets Videos

fred2@fred2VirtualBox:~$ sudo dpkg -i apache2-bin_2.4.52-lubuntu4_amd64.deb
Selecting previously unselected package apache2-bin.
(Reading database ... 200885 files and directories currently installed.)
Preparing to unpack apache2-bin_2.4.52-lubuntu4_amd64.deb ...
Unpacking apache2-bin (2.4.52-lubuntu4) ...
dpkg: dependency problems prevent configuration of apache2-bin:
 apache2-bin depends on libapr1 (>= 1.7.0); however:
  Package libapr1 is not installed.
 apache2-bin depends on libaprutil1 (>= 1.6.0); however:
  Package libaprutil1 is not installed.
 apache2-bin depends on libaprutil1-dbd-sqlite3 | libaprutil1-dbd-mysql | libaprutil1-dbd-odbc | libaprutil1-dbd-pgsql |
libaprutil1-dbd-freetds; however:
  Package libaprutil1-dbd-sqlite3 is not installed.
  Package libaprutil1-dbd-mysql is not installed.
  Package libaprutil1-dbd-odbc is not installed.
  Package libaprutil1-dbd-freetds is not installed.
 apache2-bin depends on libaprutil1-ldap; however:
  Package libaprutil1-ldap is not installed.

dpkg: error processing package apache2-bin (--install):
dependency problems - leaving unconfigured
Processing triggers for man-db (2.10.2-1) ...
Errors were encountered while processing:
 apache2-bin
fred2@fred2VirtualBox:~$ sudo apt-get update
Get:1 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Hit:2 https://download.docker.com/linux/ubuntu jammy InRelease
Ign:3 http://repo.mysql.com/apt/ubuntu 22.04 InRelease
Err:4 http://repo.mysql.com/apt/ubuntu 22.04 Release
404 Not Found [IP: 22.219.172.94 80]
Hit:5 http://ca.archive.ubuntu.com/ubuntu jammy InRelease
Get:6 http://ca.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Get:7 http://ca.archive.ubuntu.com/ubuntu jammy-backports InRelease [109 kB]
Get:8 http://ca.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [1,244 kB]
Get:9 http://ca.archive.ubuntu.com/ubuntu jammy-updates/main 1386 Packages [543 kB]
Get:10 http://ca.archive.ubuntu.com/ubuntu jammy-updates/universe 1386 Packages [675 kB]
Get:11 http://ca.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [1,018 kB]
Reading package lists... Done
E: The repository 'http://repo.mysql.com/apt/ubuntu 22.04 Release' does not have a Release file.
N: Updating from such a repository can't be done securely, and is therefore disabled by default.
N: See apt-secure(8) manpage for repository creation and user configuration details.
```

```
Activities TiliX Dec 8 14:42
TiliX: fred2@fred2VirtualBox: ~
1:fred2@fred2VirtualBox: ~
Package libaprutil1-ldap is not installed.

dpkg: error processing package apache2-bin (--install):
dependency problems - leaving unconfigured
Processing triggers for man-db (2.10.2-1) ...
Errors were encountered while processing:
 apache2-bin
fred2@fred2VirtualBox:~$ sudo apt-get update
Get:1 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Hit:2 https://download.docker.com/linux/ubuntu jammy InRelease
Ign:3 http://repo.mysql.com/apt/ubuntu 22.04 InRelease
Err:4 http://repo.mysql.com/apt/ubuntu 22.04 Release
404 Not Found [IP: 22.219.172.94 80]
Hit:5 http://ca.archive.ubuntu.com/ubuntu jammy InRelease
Get:6 http://ca.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Get:7 http://ca.archive.ubuntu.com/ubuntu jammy-backports InRelease [109 kB]
Get:8 http://ca.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [1,244 kB]
Get:9 http://ca.archive.ubuntu.com/ubuntu jammy-updates/main 1386 Packages [543 kB]
Get:10 http://ca.archive.ubuntu.com/ubuntu jammy-updates/universe 1386 Packages [675 kB]
Get:11 http://ca.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [1,018 kB]
Reading package lists... Done
E: The repository 'http://repo.mysql.com/apt/ubuntu 22.04 Release' does not have a Release file.
N: Updating from such a repository can't be done securely, and is therefore disabled by default.
N: See apt-secure(8) manpage for repository creation and user configuration details.

fred2@fred2VirtualBox:~$ sudo apt-get install -f
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Correcting dependencies... Done
The following packages were automatically installed and are no longer required:
  hplip-data libipmud0 libimagequant0 libraqm0 libsane-hpaio printer-driver-hpcups printer-driver-postscript-hp
  python3-celery python3-pil python3-renderpm python3-reportlab python3-reportlab-accel
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
  libapr1 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap
The following NEW packages will be installed:
  libapr1 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap
0 upgraded, 4 newly installed, 0 to remove and 134 not upgraded.
1 not fully installed or removed.
Need to get 221 kB of archives.
After this operation, 685 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://ca.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libapr1 amd64 1.7.0-0ubuntu0.22.04.1 [108 kB]
```

```
Activities TiliX Dec 8 14:42
1/f1 ~ + TiliX: fred2@fred2VirtualBox: ~
1:fred2@fred2VirtualBox: ~
After this operation, 685 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://ca.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libapr1 amd64 1.7.0-8ubuntu0.22.04.1 [108 kB]
Get:2 http://ca.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libaprutil1 amd64 1.6.1-Subuntu4.22.04.2 [92.8 kB]
Get:3 http://ca.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libaprutil1-dbd-sqlite3 amd64 1.6.1-Subuntu4.22.04.2 [11.3 kB]
Get:4 http://ca.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libaprutil1-ldap amd64 1.6.1-Subuntu4.22.04.2 [9,170 B]
Fetched 221 kB in 6s (35.8 kB/s)
Selecting previously unselected package libapr1:amd64.
(Reading database ... 201017 files and directories currently installed.)
Preparing to unpack .../libapr1.1.7.0-8ubuntu0.22.04.1_amd64.deb ...
Unpacking libapr1:amd64 (1.7.0-8ubuntu0.22.04.1) ...
Selecting previously unselected package libaprutil1:amd64.
Preparing to unpack .../libaprutil1.1.6.1-Subuntu4.22.04.2_amd64.deb ...
Unpacking libaprutil1:amd64 (1.6.1-Subuntu4.22.04.2) ...
Selecting previously unselected package libaprutil1-dbd-sqlite3:amd64.
Preparing to unpack .../libaprutil1-dbd-sqlite3.1.6.1-Subuntu4.22.04.2_amd64.deb ...
Unpacking libaprutil1-dbd-sqlite3:amd64 (1.6.1-Subuntu4.22.04.2) ...
Selecting previously unselected package libaprutil1-ldap:amd64.
Preparing to unpack .../libaprutil1-ldap.1.6.1-Subuntu4.22.04.2_amd64.deb ...
Unpacking libaprutil1-ldap:amd64 (1.6.1-Subuntu4.22.04.2) ...
Setting up libapr1:amd64 (1.7.0-8ubuntu0.22.04.1) ...
Setting up libaprutil1:amd64 (1.6.1-Subuntu4.22.04.2) ...
Setting up libaprutil1-ldap:amd64 (1.6.1-Subuntu4.22.04.2) ...
Setting up libaprutil1-dbd-sqlite3:amd64 (1.6.1-Subuntu4.22.04.2) ...
Setting up apache2-bin (2.4.52-lubuntu4) ...
Processing triggers for libc-bin (2.35-8ubuntu3.4) ...
fred2@fred2VirtualBox:~$ sudo dpkg -i apache2-bin 2.4.52-lubuntu4 amd64.deb
dpkg: error: dpkg frontend lock was locked by another process with pid 10958
Note: removing the lock file is always wrong, and can end up damaging the
locked area and the entire system. See <https://wiki.debian.org/Teams/Dpkg/FAQ>.
fred2@fred2VirtualBox:~$ sudo rm /var/lib/dpkg/lock-frontent
fred2@fred2VirtualBox:~$ sudo rm /var/lib/dpkg/lock
fred2@fred2VirtualBox:~$ sudo dpkg -i apache2-bin 2.4.52-lubuntu4 amd64.deb
(Reading database ... 201059 files and directories currently installed.)
Preparing to unpack apache2-bin (2.4.52-lubuntu4) over (2.4.52-lubuntu4) ...
Unpacking apache2-bin (2.4.52-lubuntu4) over (2.4.52-lubuntu4) ...
Setting up apache2-bin (2.4.52-lubuntu4) ...
Processing triggers for man-db (2.10.2-1) ...
fred2@fred2VirtualBox:~$ sudo systemctl status apache2
Unit apache2.service could not be found.
fred2@fred2VirtualBox:~$
```

```
Activities TiliX Dec 8 14:47
1/f1 ~ + TiliX: fred2@fred2VirtualBox: ~
1:fred2@fred2VirtualBox: ~
Unpacking libaprutil1-ldap:amd64 (1.6.1-Subuntu4.22.04.2) ...
Setting up libapr1:amd64 (1.7.0-8ubuntu0.22.04.1) ...
Setting up libaprutil1:amd64 (1.6.1-Subuntu4.22.04.2) ...
Setting up libaprutil1-ldap:amd64 (1.6.1-Subuntu4.22.04.2) ...
Setting up libaprutil1-dbd-sqlite3:amd64 (1.6.1-Subuntu4.22.04.2) ...
Setting up apache2-bin (2.4.52-lubuntu4) ...
Processing triggers for libc-bin (2.35-8ubuntu3.4) ...
fred2@fred2VirtualBox:~$ sudo dpkg -i apache2-bin 2.4.52-lubuntu4 amd64.deb
dpkg: error: dpkg frontend lock was locked by another process with pid 10958
Note: removing the lock file is always wrong, and can end up damaging the
locked area and the entire system. See <https://wiki.debian.org/Teams/Dpkg/FAQ>.
fred2@fred2VirtualBox:~$ sudo rm /var/lib/dpkg/lock-frontent
fred2@fred2VirtualBox:~$ sudo rm /var/lib/dpkg/lock
fred2@fred2VirtualBox:~$ sudo dpkg -i apache2-bin 2.4.52-lubuntu4 amd64.deb
(Reading database ... 201059 files and directories currently installed.)
Preparing to unpack apache2-bin (2.4.52-lubuntu4) over (2.4.52-lubuntu4) ...
Unpacking apache2-bin (2.4.52-lubuntu4) over (2.4.52-lubuntu4) ...
Setting up apache2-bin (2.4.52-lubuntu4) ...
Processing triggers for man-db (2.10.2-1) ...
fred2@fred2VirtualBox:~$ sudo systemctl status apache2
Unit apache2.service could not be found.
fred2@fred2VirtualBox:~$ sudo dpkg -P apache2-bin 2.4.52-lubuntu4 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 --get-selections for a list of packages;
Type dpkg --get-architecture for a list of architectures;
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' !
fred2@fred2VirtualBox:~$ sudo dpkg -P apache2-bin
(Reading database ... 201049 files and directories currently installed.)
Removing apache2-bin (2.4.52-lubuntu4) ...
Processing triggers for man-db (2.10.2-1) ...
fred2@fred2VirtualBox:~$ dpkg -l | grep apache2-bin
Desired=Unknown/Install/Remove/Purge/Hold
| Status=Not/Inst/Conf-files/Unpacked/halF-conf/Half-inst/trig-aWait/Trig-pend
|/ Err?=(none)/Reinst-required (Status,Err: uppercase=bad)
+-----+-----+-----+-----+-----+-----+
ii  apache2-bin 2.4.52-lubuntu4 amd64 query and manipulate
```

5. Выложить историю команд в терминале ubuntu

```
Activities TiliX Dec 8 14:54
1/f1 ~ + TiliX: fred2@fred2VirtualBox: ~
1:fred2@fred2VirtualBox: ~
260 clear
261 cat > Pets <<EOF
Dogs
Cats
Hamsters
EOF
262 pwd
263 cat > Pets.txt <<EOF
Dogs
Cats
Hamsters
EOF
264 cat > "Pack animals" <<EOF
Horses
Camels
Donkeys
EOF
265 cat > "Pack animals.txt" <<EOF
Horses
Camels
Donkeys
EOF
266 cat Pets "Pack animals" > All_animals
267 cat All_animals
268 cat Pets.txt "Pack animals.txt" > All_animals.txt
269 cat All_animals.txt
270 #-----
271 mv All_animals "Human Friends"
272 mv All_animals.txt "Human Friends.txt"
273 ls
274 mkdir HumanFriends1
275 mv "Human Friends" HumanFriends1/
276 mkdir HumanFriends2
277 mv "Human Friends.txt" HumanFriends2/
278 ls
279 ls /HumanFriends1
280 ls HumanFriends1
281 ls HumanFriends2
282 uname -a
```



```
Activities  Tilix  Dec 8 14:57
Tilix: fred2@fred2VirtualBox ~
1:fred2@fred2VirtualBox ~
280 ls HumanFriends1
281 ls HumanFriends2
282 uname -a
283 sudo apt update
284 sudo apt install software-properties-common
285 sudo add-apt-repository 'deb http://repo.mysql.com/apt/ubuntu/ 22.04 mysql-8.0'
286 sudo apt update
287 sudo apt install mysql-server
288 mysql --version
289 wget http://archive.ubuntu.com/ubuntu/pool/main/w/wget/wget_1.21.2-1ubuntu3_amd64.deb
290 wget http://archive.ubuntu.com/ubuntu/pool/main/w/wget/wget_1.22.04-1ubuntu3_amd64.deb
291 wget http://archive.ubuntu.com/ubuntu/pool/main/w/wget/wget_1.21.4.orig.tar.gz.asc
292 sudo dpkg -i wget_1.21.4.orig.tar.gz.asc
293 wget http://archive.ubuntu.com/ubuntu/pool/main/w/wget/wget_1.21.4-1ubuntu1_1386.deb
294 sudo dpkg -i wget_1.21.4-1ubuntu1_1386.deb
295 wget http://archive.ubuntu.com/ubuntu/pool/main/w/wget/wget_1.20.3-1ubuntu2_amd64.deb
296 wget http://archive.ubuntu.com/ubuntu/pool/main/w/wget/wget_1.20.3-1ubuntu2_1386.deb
297 wget http://archive.ubuntu.com/ubuntu/pool/main/w/wget/wget_1.21.2-2ubuntu1_amd64.deb
298 wget http://archive.ubuntu.com/ubuntu/pool/main/w/wget/wget_1.21.2-1ubuntu3_amd64.deb
299 curl -O http://archive.ubuntu.com/ubuntu/pool/main/w/wget/wget_1.21.2-1ubuntu3_amd64.deb
300 sudo dpkg -i wget_1.21.2-1ubuntu3_amd64.deb
301 sudo apt-get update
302 sudo dpkg -i wget_1.21.2-1ubuntu3_amd64.deb
303 sudo apt install wget
304 apt --fix-broken install
305 sudo apt --fix-broken install
306 wget http://archive.ubuntu.com/ubuntu/pool/universe/h/http/http_2.2.0-1_amd64.deb
307 sudo apt install wget
308 wget http://archive.ubuntu.com/ubuntu/pool/universe/h/http/http_2.2.0-1_amd64.deb
309 wget http://archive.ubuntu.com/ubuntu/pool/main/n/nano/nano_5.8-1_amd64.deb
310 wget https://download.geany.org/geany-1.38.1/geany_1.38.1_amd64.deb
311 wget http://archive.ubuntu.com/ubuntu/pool/universe/h/http/http_2.2.0-1_amd64.deb
312 sudo apt install ./teamviewer_amd64.deb
313 sudo apt install -f
314 systemctl status teamviewer.service
315 teamviewer
316 sudo dpkg -i teamviewer_amd64.deb
317 sudo apt install ./teamviewer_amd64.deb
318 #-----
319 sudo dpkg -i ./nginx_1.14.0-0ubuntu1.6_all.deb
320 wget http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2_2.4.48-3ubuntu18.04.1+deb.sury.org+1_amd64.deb
321 wget http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2-bin_2.4.52-1ubuntu4_amd64.deb
322 pwd
```

```
Activities  Tilix  Dec 8 14:58
Tilix: fred2@fred2VirtualBox ~
1:fred2@fred2VirtualBox ~
295 wget http://archive.ubuntu.com/ubuntu/pool/main/w/wget/wget_1.20.3-1ubuntu2_amd64.deb
296 wget http://archive.ubuntu.com/ubuntu/pool/main/w/wget/wget_1.20.3-1ubuntu2_1386.deb
297 wget http://archive.ubuntu.com/ubuntu/pool/main/w/wget/wget_1.21.2-2ubuntu1_amd64.deb
298 wget http://archive.ubuntu.com/ubuntu/pool/main/w/wget/wget_1.21.2-1ubuntu3_amd64.deb
299 curl -O http://archive.ubuntu.com/ubuntu/pool/main/w/wget/wget_1.21.2-1ubuntu3_amd64.deb
300 sudo dpkg -i wget_1.21.2-1ubuntu3_amd64.deb
301 sudo apt-get update
302 sudo dpkg -i wget_1.21.2-1ubuntu3_amd64.deb
303 sudo apt install wget
304 apt --fix-broken install
305 sudo apt --fix-broken install
306 wget http://archive.ubuntu.com/ubuntu/pool/universe/h/http/http_2.2.0-1_amd64.deb
307 sudo apt install wget
308 wget http://archive.ubuntu.com/ubuntu/pool/universe/h/http/http_2.2.0-1_amd64.deb
309 wget http://archive.ubuntu.com/ubuntu/pool/main/n/nano/nano_5.8-1_amd64.deb
310 wget https://download.geany.org/geany-1.38.1/geany_1.38.1_amd64.deb
311 wget http://archive.ubuntu.com/ubuntu/pool/universe/h/http/http_2.2.0-1_amd64.deb
312 sudo apt install ./teamviewer_amd64.deb
313 sudo apt install -f
314 systemctl status teamviewer.service
315 teamviewer
316 sudo dpkg -i teamviewer_amd64.deb
317 sudo apt install ./teamviewer_amd64.deb
318 #-----
319 sudo dpkg -i ./nginx_1.14.0-0ubuntu1.6_all.deb
320 wget http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2_2.4.48-3ubuntu18.04.1+deb.sury.org+1_amd64.deb
321 wget http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2-bin_2.4.52-1ubuntu4_amd64.deb
322 pwd
323 ls
324 sudo dpkg -i apache2-bin_2.4.52-1ubuntu4_amd64.deb
325 sudo apt-get update
326 sudo apt-get install -f
327 sudo dpkg -i apache2-bin_2.4.52-1ubuntu4_amd64.deb
328 sudo rm /var/lib/dpkg/lock-frontent
329 sudo rm /var/lib/dpkg/lock
330 sudo dpkg -i apache2-bin_2.4.52-1ubuntu4_amd64.deb
331 sudo systemctl status apache2
332 sudo dpkg -P apache2-bin_2.4.52-1ubuntu4_amd64.deb
333 sudo dpkg -P apache2-bin
334 dpkg -l | grep apache2-bin
335 dpkg -l
336 history
fred2@fred2VirtualBox:~$
```

260 clear

261 cat > Pets <<EOF

Dogs

Cats

Hamsters

EOF

262 pwd

```
263 cat > Pets.txt <<EOF
```

Dogs

Cats

Hamsters

EOF

```
264 cat > "Pack animals" <<EOF
```

Horses

Camels

Donkeys

EOF

```
265 cat > "Pack animals.txt" <<EOF
```

Horses

Camels

Donkeys

EOF

```
266 cat Pets "Pack animals" > All_animals
```

```
267 cat All_animals
```

```
268 cat Pets.txt "Pack animals.txt" > All_animals.txt
```

```
269 cat All_animals.txt
```

```
270 #-----
```

```
271 mv All_animals "Human Friends"
```

```
272 mv All_animals.txt "Human Friends.txt"
```

```
273 ls
```



```
274 mkdir HumanFriends1

275 mv "Human Friends" HumanFriends1/

276 mkdir HumanFriends2

277 mv "Human Friends.txt" HumanFriends2/

278 ls

279 ls /HumanFriends1

280 ls HumanFriends1

281 ls HumanFriends2

282 uname -a

283 sudo apt update

284 sudo apt install software-properties-common

285 sudo add-apt-repository 'deb http://repo.mysql.com/apt/ubuntu/ 22.04 mysql-8.0'

286 sudo apt update

287 sudo apt install mysql-server

288 mysql --version

#-----

289 wget http://archive.ubuntu.com/ubuntu/pool/main/w/wget/wget_1.21.2-1ubuntu3_amd64.deb

290 wget http://archive.ubuntu.com/ubuntu/pool/main/w/wget/wget_1.22.04-
1ubuntu3_amd64.deb

291 wget http://archive.ubuntu.com/ubuntu/pool/main/w/wget/wget_1.21.4.orig.tar.gz.asc

292 sudo dpkg -i wget_1.21.4.orig.tar.gz.asc

293 wget http://archive.ubuntu.com/ubuntu/pool/main/w/wget/wget_1.21.4-1ubuntu1_i386.deb

294 sudo dpkg -i wget_1.21.4-1ubuntu1_i386.deb

295 wget http://archive.ubuntu.com/ubuntu/pool/main/w/wget/wget_1.20.3-1ubuntu2_amd64.deb

296 wget http://archive.ubuntu.com/ubuntu/pool/main/w/wget/wget_1.20.3-1ubuntu2_i386.deb

297 wget http://archive.ubuntu.com/ubuntu/pool/main/w/wget/wget_1.21.2-2ubuntu1_amd64.deb

298 wget http://archive.ubuntu.com/ubuntu/pool/main/w/wget/wget_1.21.2-1ubuntu3_amd64.deb
```

```
299 curl -O http://archive.ubuntu.com/ubuntu/pool/main/w/wget/wget_1.21.2-
1ubuntu3_amd64.deb

300 sudo dpkg -i wget_1.21.2-1ubuntu3_amd64.deb

301 sudo apt-get update

302 sudo dpkg -i wget_1.21.2-1ubuntu3_amd64.deb

303 sudo apt install wget

304 apt --fix-broken install

305 sudo apt --fix-broken install

306 wget http://archive.ubuntu.com/ubuntu/pool/universe/h/htop/htop_2.2.0-1_amd64.deb

307 sudo apt install wget

308 wget http://archive.ubuntu.com/ubuntu/pool/universe/h/htop/htop_2.2.0-1_amd64.deb

309 wget http://archive.ubuntu.com/ubuntu/pool/main/n/nano/nano_5.8-1_amd64.deb

310 wget https://download.geany.org/geany-1.38.1/geany_1.38.1_amd64.deb

311 wget http://archive.ubuntu.com/ubuntu/pool/universe/h/htop/htop_2.2.0-1_amd64.deb

312 sudo apt install ./teamviewer_amd64.deb

313 sudo apt install -f

314 systemctl status teamviewerd.service

315 teamviewer

316 sudo dpkg -i teamviewer_amd64.deb

317 sudo apt install ./teamviewer_amd64.deb

318 #-----

319 sudo dpkg -i ./nginx_1.14.0-0ubuntu1.6_all.deb

320 wget http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2_2.4.48-
3+ubuntu18.04.1+deb.sury.org+1_amd64.deb

321 wget http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2-bin_2.4.52-
1ubuntu4_amd64.deb

#-----
322 pwd
```

```
323 ls
324 sudo dpkg -i apache2-bin_2.4.52-1ubuntu4_amd64.deb
325 sudo apt-get update
326 sudo apt-get install -f
327 sudo dpkg -i apache2-bin_2.4.52-1ubuntu4_amd64.deb
328 sudo rm /var/lib/dpkg/lock-frontend
329 sudo rm /var/lib/dpkg/lock
330 sudo dpkg -i apache2-bin_2.4.52-1ubuntu4_amd64.deb
331 sudo systemctl status apache2
332 sudo dpkg -P apache2-bin_2.4.52-1ubuntu4_amd64.deb
333 sudo dpkg -P apache2-bin
334 dpkg -l | grep apache2-bin
335 dpkg -l
336 history
```

тоже самое, только копия из терминала:
fred2@fred2VirtualBox:~\$ cat > Pets <<EOF

Dogs

Cats

Hamsters

EOF

fred2@fred2VirtualBox:~\$ pwd

/home/fred2

fred2@fred2VirtualBox:~\$ cat > Pets.txt <<EOF

Dogs

Cats

Hamsters

EOF

```
fred2@fred2VirtualBox:~$ cat > "Pack animals" <<EOF
```

Horses

Camels

Donkeys

EOF

```
fred2@fred2VirtualBox:~$ cat > "Pack animals.txt" <<EOF
```

Horses

Camels

Donkeys

EOF

```
fred2@fred2VirtualBox:~$ cat Pets "Pack animals" > All_animals
```

```
fred2@fred2VirtualBox:~$ cat All_animals
```

Dogs

Cats

Hamsters

Horses

Camels

Donkeys

```
fred2@fred2VirtualBox:~$ cat Pets.txt "Pack animals.txt" > All_animals.txt
```

```
fred2@fred2VirtualBox:~$ cat All_animals.txt
```

Dogs

Cats

Hamsters

Horses

Camels

Donkeys

```
red2@fred2VirtualBox:~$ #-----
```

```
fred2@fred2VirtualBox:~$ mv All_animals "Human Friends"
```

```
fred2@fred2VirtualBox:~$ mv All_animals.txt "Human Friends.txt"
```

```
fred2@fred2VirtualBox:~$ ls
```

```
01 04 db2 Downloads Music 'Pack animals.txt' Pictures Templates
```

```
02 09 Desktop 'Human Friends' my_project Pets Public Videos
```

```
03 db1 Documents 'Human Friends.txt' 'Pack animals' Pets.txt snap
```

```
fred2@fred2VirtualBox:~$ mkdir HumanFriends1
```

```
fred2@fred2VirtualBox:~$ mv "Human Friends" HumanFriends1/
```

```
fred2@fred2VirtualBox:~$ mkdir HumanFriends2
```

```
fred2@fred2VirtualBox:~$ mv "Human Friends.txt" HumanFriends2/
```

```
fred2@fred2VirtualBox:~$ ls
```

```
01 04 db2 Downloads Music 'Pack animals.txt' Pictures Templates
```

```
02 09 Desktop HumanFriends1 my_project Pets Public Videos
```

```
03 db1 Documents HumanFriends2 'Pack animals' Pets.txt snap
```

```
fred2@fred2VirtualBox:~$ ls /HumanFriends1
```

```
ls: cannot access '/HumanFriends1': No such file or directory
```

```
fred2@fred2VirtualBox:~$ ls HumanFriends1
```

```
'Human Friends'
```

```
fred2@fred2VirtualBox:~$ ls HumanFriends2
```

```
'Human Friends.txt'
```

```
uname -a
```

```
Linux fred2VirtualBox 6.2.0-34-generic #34~22.04.1-Ubuntu SMP PREEMPT_DYNAMIC Thu  
Sep 7 13:12:03 UTC 2 x86_64 x86_64 x86_64 GNU/Linux
```

```
fred2@fred2VirtualBox:~$ sudo apt update
```

```
fred2@fred2VirtualBox:~$ sudo apt install software-properties-common
```

```
fred2@fred2VirtualBox:~$ sudo add-apt-repository 'deb http://repo.mysql.com/apt/ubuntu/ 22.04 mysql-8.0'
```

```
Repository: 'deb http://repo.mysql.com/apt/ubuntu/ 22.04 mysql-8.0'
```

```
Description:
```

```
Archive for codename: 22.04 components: mysql-8.0
```

```
More info: http://repo.mysql.com/apt/ubuntu/
```

```
Adding repository.
```

```
fred2@fred2VirtualBox:~$ sudo apt update
```

```
fred2@fred2VirtualBox:~$ sudo apt install mysql-server
```

```
Reading package lists... Done
```

```
Building dependency tree... Done
```

```
Reading state information... Done
```

```
The following additional packages will be installed:
```

```
#-----
```

```
red2@fred2VirtualBox:~$ wget http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2-bin_2.4.52-1ubuntu4_amd64.deb
```

```
fred2@fred2VirtualBox:~$ pwd
```

```
/home/fred2
```

```
fred2@fred2VirtualBox:~$ ls
```

```
01 db1 HumanFriends2 Pets.txt wget_1.21.2-1ubuntu3_amd64.deb
02 db2 Music Pictures wget_1.21.4-1ubuntu1_i386.deb
03 Desktop my_project Public wget_1.21.4.orig.tar.gz.asc
04 Documents 'Pack animals' snap
09 Downloads 'Pack animals.txt' Templates
apache2-bin_2.4.52-1ubuntu4_amd64.deb HumanFriends1 Pets Videos
```

```
fred2@fred2VirtualBox:~$ sudo dpkg -i apache2-bin_2.4.52-1ubuntu4_amd64.deb
```

```
fred2@fred2VirtualBox:~$ sudo apt-get update
```

```
fred2@fred2VirtualBox:~$ sudo apt-get install -f
```

```
fred2@fred2VirtualBox:~$ sudo rm /var/lib/dpkg/lock-frontent
```

```
fred2@fred2VirtualBox:~$ sudo rm /var/lib/dpkg/lock
```

```
fred2@fred2VirtualBox:~$ sudo dpkg -i apache2-bin_2.4.52-1ubuntu4_amd64.deb
```

```
fred2@fred2VirtualBox:~$ sudo systemctl status apache2
```

```
fred2@fred2VirtualBox:~$ sudo dpkg -P apache2-bin
```

```
(Reading database ... 201049 files and directories currently installed.)
```

```
Removing apache2-bin (2.4.52-1ubuntu4) ...
```

```
Processing triggers for man-db (2.10.2-1) ...
```

```
fred2@fred2VirtualBox:~$ dpkg -l | grep apache2-bin
```

```
fred2@fred2VirtualBox:~$ dpkg -l
```