Итоговая контрольная работа

Задание

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).
2. Создать директорию, переместить файл туда.

```
root@d:/# cat > Pet
Hamster
Cat
Dog

root@d:/# cat > Pack
Horse
Camel
Donkey

root@d:/# cat Pet
Hamster
Cat
Dog

root@d:/# cat Pack
Horse
Camel
Donkey

root@d:/# cat Pet Pack > Animals
root@d:/# cat Animals
Hamster
Cat
Dog
Horse
Camel
Donkey

root@d:/# mv Animals MenFriends

root@d:/# mkdir Animals

root@d:/# mv MenFriends Animals
root@d:/# cd Animals/
root@d:/Animals# ls -l
total 4
-rw-r--r-- 1 root root 35 Oct  3 14:12 MenFriends
root@d:/Animals# cat MenFriends
Hamster
Cat
Dog
Horse
Camel
Donkey
root@d:/Animals#
```

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

root@d:/# mkdir mysql_study
root@d:/# cd mysql_study/
root@d:/mysql_study# wget https://dev.mysql.com/get/mysql-apt-config_0.8.26-1_all.deb
--2023-10-03 16:41:40-- https://dev.mysql.com/get/mysql-apt-config_0.8.26-1_all.deb
Resolving dev.mysql.com (dev.mysql.com)... 104.81.63.42, 2a02:26f0:ab00:6a0::2e31,
2a02:26f0:ab00:68e::2e31
Connecting to dev.mysql.com (dev.mysql.com)|104.81.63.42|:443... connected.
HTTP request sent, awaiting response... 302 Moved Temporarily
Location: https://repo.mysql.com//mysql-apt-config_0.8.26-1_all.deb [following]
--2023-10-03 16:41:40-- https://repo.mysql.com//mysql-apt-config_0.8.26-1_all.deb
Resolving repo.mysql.com (repo.mysql.com)... 23.37.36.159, 2a02:26f0:1700:588::1d68,
2a02:26f0:1700:585::1d68
Connecting to repo.mysql.com (repo.mysql.com)|23.37.36.159|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 18088 (18K) [application/x-debian-package]
Saving to: 'mysql-apt-config_0.8.26-1_all.deb'

mysql-apt-config_0.8.26-1_all.de 100%
[===>] 17.66K --.-KB/s
in 0s

2023-10-03 16:41:41 (73.6 MB/s) - 'mysql-apt-config_0.8.26-1_all.deb' saved [18088/18088]

root@d:/mysql_study# ls
mysql-apt-config_0.8.26-1_all.deb
root@d:/mysql_study# dpkg -i mysql-apt-config*
Selecting previously unselected package mysql-apt-config.
(Reading database ... 77590 files and directories currently installed.)
Preparing to unpack mysql-apt-config_0.8.26-1_all.deb ...
Unpacking mysql-apt-config (0.8.26-1) ...
Setting up mysql-apt-config (0.8.26-1) ...
root@d:/mysql_study# apt update
Get:1 http://repo.mysql.com/apt/ubuntu bionic InRelease [20.0 kB]
Get:2 http://repo.mysql.com/apt/ubuntu jammy InRelease [20.3 kB]
Err:1 http://repo.mysql.com/apt/ubuntu bionic InRelease
  The following signatures couldn't be verified because the public key is not available:
NO_PUBKEY 467B942D3A79BD29
Hit:3 http://ports.ubuntu.com/ubuntu-ports jammy InRelease
Get:4 http://ports.ubuntu.com/ubuntu-ports jammy-updates InRelease [119 kB]
Get:5 http://ports.ubuntu.com/ubuntu-ports jammy-backports InRelease [109 kB]
Get:6 http://repo.mysql.com/apt/ubuntu jammy/mysql-8.0 Sources [963 B]
Get:7 http://ports.ubuntu.com/ubuntu-ports jammy-security InRelease [110 kB]
Get:8 http://ports.ubuntu.com/ubuntu-ports jammy-updates/main arm64 Packages [903 kB]
Get:9 http://ports.ubuntu.com/ubuntu-ports jammy-security/main arm64 Packages [698 kB]
Get:10 http://ports.ubuntu.com/ubuntu-ports jammy-security/main Translation-en [170 kB]
Get:11 http://ports.ubuntu.com/ubuntu-ports jammy-security/main arm64 c-n-f Metadata [11.0 kB]
Get:12 http://ports.ubuntu.com/ubuntu-ports jammy-security/restricted arm64 Packages [583 kB]
Get:13 http://ports.ubuntu.com/ubuntu-ports jammy-security/restricted Translation-en [145 kB]
Reading package lists... Done
W: GPG error: http://repo.mysql.com/apt/ubuntu bionic InRelease: The following signatures couldn't be verified because the public key is not available: NO_PUBKEY 467B942D3A79BD29
E: The repository 'http://repo.mysql.com/apt/ubuntu bionic InRelease' is not signed.
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.
N: Skipping acquire of configured file 'mysql-apt-config/binary-arm64/Packages' as repository 'http://repo.mysql.com/apt/ubuntu jammy InRelease' doesn't support architecture 'arm64'
N: Skipping acquire of configured file 'mysql-8.0/binary-arm64/Packages' as repository 'http://repo.mysql.com/apt/ubuntu jammy InRelease' doesn't support architecture 'arm64'
N: Skipping acquire of configured file 'mysql-tools/binary-arm64/Packages' as repository 'http://repo.mysql.com/apt/ubuntu jammy InRelease' doesn't support architecture 'arm64'
root@d:/mysql_study# apt 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 mysql-server-8.0
  mysql-server-core-8.0
0 upgraded, 28 newly installed, 0 to remove and 3 not upgraded.
Need to get 29.0 MB of archives.
After this operation, 238 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://ports.ubuntu.com/ubuntu-ports jammy/main arm64 mysql-common all 5.8+1.0.8 [7,212 B]
Get:2 http://ports.ubuntu.com/ubuntu-ports jammy-updates/main arm64 mysql-client-core-8.0 arm64 8.0.34-0ubuntu0.22.04.1 [2,973 kB]
Get:3 http://ports.ubuntu.com/ubuntu-ports jammy-updates/main arm64 mysql-client-8.0 arm64 8.0.34-0ubuntu0.22.04.1 [22.7 kB]
Get:4 http://ports.ubuntu.com/ubuntu-ports jammy/main arm64 libevent-pthreads-2.1-7 arm64 2.1.12-stable-1build3 [7,588 B]
Get:5 http://ports.ubuntu.com/ubuntu-ports jammy/main arm64 libmecab2 arm64 0.996-14build9 [188 kB]
Get:6 http://ports.ubuntu.com/ubuntu-ports jammy-updates/main arm64 libprotobuf-lite23 arm64 3.12.4-1ubuntu7.22.04.1 [192 kB]
Get:7 http://ports.ubuntu.com/ubuntu-ports jammy-updates/main arm64 mysql-server-core-8.0 arm64 8.0.34-0ubuntu0.22.04.1 [17.0 MB]
Get:8 http://ports.ubuntu.com/ubuntu-ports jammy-updates/main arm64 mysql-server-8.0 arm64 8.0.34-0ubuntu0.22.04.1 [1,237 kB]
Get:9 http://ports.ubuntu.com/ubuntu-ports jammy/main arm64 libhtml-tagset-perl all 3.20-4 [12.5 kB]
Get:10 http://ports.ubuntu.com/ubuntu-ports jammy/main arm64 liburi-perl all 5.10-1 [78.8 kB]
Get:11 http://ports.ubuntu.com/ubuntu-ports jammy/main arm64 libhtml-parser-perl arm64 3.76-1build2 [87.1 kB]
Get:12 http://ports.ubuntu.com/ubuntu-ports jammy/main arm64 libcgi-pm-perl all 4.54-1 [188 kB]

Get:13 http://ports.ubuntu.com/ubuntu-ports jammy/main arm64 libfcgi0ldbl arm64 2.4.2-2build2 [28.0 kB]
Get:14 http://ports.ubuntu.com/ubuntu-ports jammy/main arm64 libfcgi-perl arm64 0.82+ds-1build1 [22.3 kB]
Get:15 http://ports.ubuntu.com/ubuntu-ports jammy/main arm64 libcgi-fast-perl all 1:2.15-1 [10.5 kB]
Get:16 http://ports.ubuntu.com/ubuntu-ports jammy/main arm64 libclone-perl arm64 0.45-1build3 [10.8 kB]
Get:17 http://ports.ubuntu.com/ubuntu-ports jammy/main arm64 libencode-locale-perl all 1.05-1.1 [11.8 kB]
Get:18 http://ports.ubuntu.com/ubuntu-ports jammy/main arm64 libfcgi-bin arm64 2.4.2-2build2 [10.7 kB]
Get:19 http://ports.ubuntu.com/ubuntu-ports jammy/main arm64 libhtml-template-perl all 2.97-1.1 [59.1 kB]
Get:20 http://ports.ubuntu.com/ubuntu-ports jammy/main arm64 libtimedate-perl all 2.3300-2 [34.0 kB]
Get:21 http://ports.ubuntu.com/ubuntu-ports jammy/main arm64 libhttp-date-perl all 6.05-1 [9,920 B]
Get:22 http://ports.ubuntu.com/ubuntu-ports jammy/main arm64 libio-html-perl all 1.004-2 [15.4 kB]
Get:23 http://ports.ubuntu.com/ubuntu-ports jammy/main arm64 liblwp-mediatypes-perl all 6.04-1 [19.5 kB]
Get:24 http://ports.ubuntu.com/ubuntu-ports jammy/main arm64 libhttp-message-perl all 6.36-1 [76.8 kB]
Get:25 http://ports.ubuntu.com/ubuntu-ports jammy/main arm64 mecab-utils arm64 0.996-14build9 [4,830 B]
Get:26 http://ports.ubuntu.com/ubuntu-ports jammy/main arm64 mecab-ipadic all 2.7.0-20070801+main-3 [6,718 kB]
Get:27 http://ports.ubuntu.com/ubuntu-ports jammy/main arm64 mecab-ipadic-utf8 all 2.7.0-20070801+main-3 [4,384 B]
Get:28 http://ports.ubuntu.com/ubuntu-ports jammy-updates/main arm64 mysql-server all 8.0.34-0ubuntu0.22.04.1 [9,460 B]
Fetched 29.0 MB in 3s (10.5 MB/s)
Preconfiguring packages ...
Selecting previously unselected package mysql-common.
(Reading database ... 77595 files and directories currently installed.)
Preparing to unpack .../0-mysql-common_5.8+1.0.8_all.deb ...
Unpacking mysql-common (5.8+1.0.8) ...
Selecting previously unselected package mysql-client-core-8.0.
Preparing to unpack .../1-mysql-client-core-8.0_8.0.34-0ubuntu0.22.04.1_arm64.deb ...
Unpacking mysql-client-core-8.0 (8.0.34-0ubuntu0.22.04.1) ...
Selecting previously unselected package mysql-client-8.0.
Preparing to unpack .../2-mysql-client-8.0_8.0.34-0ubuntu0.22.04.1_arm64.deb ...
Unpacking mysql-client-8.0 (8.0.34-0ubuntu0.22.04.1) ...
Selecting previously unselected package libevent-pthreads-2.1-7:arm64.
Preparing to unpack .../3-libevent-pthreads-2.1-7_2.1.12-stable-1build3_arm64.deb ...
Unpacking libevent-pthreads-2.1-7:arm64 (2.1.12-stable-1build3) ...
Selecting previously unselected package libmecab2:arm64.
Preparing to unpack .../4-libmecab2_0.996-14build9_arm64.deb ...
Unpacking libmecab2:arm64 (0.996-14build9) ...
Selecting previously unselected package libprotobuf-lite23:arm64.
Preparing to unpack .../5-libprotobuf-lite23_3.12.4-1ubuntu7.22.04.1_arm64.deb ...
Unpacking libprotobuf-lite23:arm64 (3.12.4-1ubuntu7.22.04.1) ...
Selecting previously unselected package mysql-server-core-8.0.
Preparing to unpack .../6-mysql-server-core-8.0_8.0.34-0ubuntu0.22.04.1_arm64.deb ...
Unpacking mysql-server-core-8.0 (8.0.34-0ubuntu0.22.04.1) ...
Setting up mysql-common (5.8+1.0.8) ...
update-alternatives: using /etc/mysql/my.cnf.fallback to provide /etc/mysql/my.cnf (my.cnf) in auto mode
Selecting previously unselected package mysql-server-8.0.

```
(Reading database ... 77809 files and directories currently installed.)
Preparing to unpack .../00-mysql-server-8.0_8.0.34-0ubuntu0.22.04.1_arm64.deb ...
Unpacking mysql-server-8.0 (8.0.34-0ubuntu0.22.04.1) ...
Selecting previously unselected package libhtml-tagset-perl.
Preparing to unpack .../01-libhtml-tagset-perl_3.20-4_all.deb ...
Unpacking libhtml-tagset-perl (3.20-4) ...
Selecting previously unselected package liburi-perl.
Preparing to unpack .../02-liburi-perl_5.10-1_all.deb ...
Unpacking liburi-perl (5.10-1) ...
Selecting previously unselected package libhtml-parser-perl:arm64.
Preparing to unpack .../03-libhtml-parser-perl_3.76-1build2_arm64.deb ...
Unpacking libhtml-parser-perl:arm64 (3.76-1build2) ...
Selecting previously unselected package libcgi-pm-perl.
Preparing to unpack .../04-libcgi-pm-perl_4.54-1_all.deb ...
Unpacking libcgi-pm-perl (4.54-1) ...
Selecting previously unselected package libfcgi0ldbl:arm64.
Preparing to unpack .../05-libfcgi0ldbl_2.4.2-2build2_arm64.deb ...
Unpacking libfcgi0ldbl:arm64 (2.4.2-2build2) ...
Selecting previously unselected package libfcgi-perl:arm64.
Preparing to unpack .../06-libfcgi-perl_0.82+ds-1build1_arm64.deb ...
Unpacking libfcgi-perl:arm64 (0.82+ds-1build1) ...
Selecting previously unselected package libcgi-fast-perl.
Preparing to unpack .../07-libcgi-fast-perl_1%3a2.15-1_all.deb ...
Unpacking libcgi-fast-perl (1:2.15-1) ...
Selecting previously unselected package libclone-perl.
Preparing to unpack .../08-libclone-perl_0.45-1build3_arm64.deb ...
Unpacking libclone-perl (0.45-1build3) ...
Selecting previously unselected package libencode-locale-perl.
Preparing to unpack .../09-libencode-locale-perl_1.05-1.1_all.deb ...
Unpacking libencode-locale-perl (1.05-1.1) ...
Selecting previously unselected package libfcgi-bin.
Preparing to unpack .../10-libfcgi-bin_2.4.2-2build2_arm64.deb ...
Unpacking libfcgi-bin (2.4.2-2build2) ...
Selecting previously unselected package libhtml-template-perl.
Preparing to unpack .../11-libhtml-template-perl_2.97-1.1_all.deb ...
Unpacking libhtml-template-perl (2.97-1.1) ...
Selecting previously unselected package libtimedate-perl.
Preparing to unpack .../12-libtimedate-perl_2.3300-2_all.deb ...
Unpacking libtimedate-perl (2.3300-2) ...
Selecting previously unselected package libhttp-date-perl.
Preparing to unpack .../13-libhttp-date-perl_6.05-1_all.deb ...
Unpacking libhttp-date-perl (6.05-1) ...
Selecting previously unselected package libio-html-perl.
Preparing to unpack .../14-libio-html-perl_1.004-2_all.deb ...
Unpacking libio-html-perl (1.004-2) ...
Selecting previously unselected package liblwp-mediatypes-perl.
Preparing to unpack .../15-liblwp-mediatypes-perl_6.04-1_all.deb ...
Unpacking liblwp-mediatypes-perl (6.04-1) ...
Selecting previously unselected package libhttp-message-perl.
Preparing to unpack .../16-libhttp-message-perl_6.36-1_all.deb ...
Unpacking libhttp-message-perl (6.36-1) ...
Selecting previously unselected package mecab-utils.
Preparing to unpack .../17-mecab-utils_0.996-14build9_arm64.deb ...
Unpacking mecab-utils (0.996-14build9) ...
Selecting previously unselected package mecab-ipadic.
Preparing to unpack .../18-mecab-ipadic_2.7.0-20070801+main-3_all.deb ...
Unpacking mecab-ipadic (2.7.0-20070801+main-3) ...
Selecting previously unselected package mecab-ipadic-utf8.
Preparing to unpack .../19-mecab-ipadic-utf8_2.7.0-20070801+main-3_all.deb ...
Unpacking mecab-ipadic-utf8 (2.7.0-20070801+main-3) ...
```

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Selecting previously unselected package mysql-server.
Preparing to unpack .../20-mysql-server_8.0.34-0ubuntu0.22.04.1_all.deb ...
Unpacking mysql-server (8.0.34-0ubuntu0.22.04.1) ...
Setting up libmecab2:arm64 (0.996-14build9) ...
Setting up mysql-client-core-8.0 (8.0.34-0ubuntu0.22.04.1) ...
Setting up libfcgi0ldbl:arm64 (2.4.2-2build2) ...
Setting up libclone-perl (0.45-1build3) ...
Setting up libhtml-tagset-perl (3.20-4) ...
Setting up liblwp-mediatypes-perl (6.04-1) ...
Setting up libfcgi-bin (2.4.2-2build2) ...
Setting up libencode-locale-perl (1.05-1.1) ...
Setting up libprotobuf-lite23:arm64 (3.12.4-1ubuntu7.22.04.1) ...
Setting up mecab-utils (0.996-14build9) ...
Setting up libio-html-perl (1.004-2) ...
Setting up libtimedate-perl (2.3300-2) ...
Setting up mysql-client-8.0 (8.0.34-0ubuntu0.22.04.1) ...
Setting up libfcgi-perl:arm64 (0.82+ds-1build1) ...
Setting up liburi-perl (5.10-1) ...
Setting up libevent-pthreads-2.1-7:arm64 (2.1.12-stable-1build3) ...
Setting up libhttp-date-perl (6.05-1) ...
Setting up mecab-ipadic (2.7.0-20070801+main-3) ...
Compiling IPA dictionary for Mecab.  This takes long time...
reading /usr/share/mecab/dic/ipadic/unk.def ... 40
emitting double-array: 100% |###########################################|
/usr/share/mecab/dic/ipadic/model.def is not found. skipped.
reading /usr/share/mecab/dic/ipadic/Postp.csv ... 146
reading /usr/share/mecab/dic/ipadic/Prefix.csv ... 221
reading /usr/share/mecab/dic/ipadic/Noun.number.csv ... 42
reading /usr/share/mecab/dic/ipadic/Others.csv ... 2
reading /usr/share/mecab/dic/ipadic/Noun.place.csv ... 72999
reading /usr/share/mecab/dic/ipadic/Interjection.csv ... 252
reading /usr/share/mecab/dic/ipadic/Noun.org.csv ... 16668
reading /usr/share/mecab/dic/ipadic/Noun.others.csv ... 151
reading /usr/share/mecab/dic/ipadic/Suffix.csv ... 1393
reading /usr/share/mecab/dic/ipadic/Noun.nai.csv ... 42
reading /usr/share/mecab/dic/ipadic/Noun.adverbal.csv ... 795
reading /usr/share/mecab/dic/ipadic/Noun.name.csv ... 34202
reading /usr/share/mecab/dic/ipadic/Adverb.csv ... 3032
reading /usr/share/mecab/dic/ipadic/Adnominal.csv ... 135
reading /usr/share/mecab/dic/ipadic/Noun.csv ... 60477
reading /usr/share/mecab/dic/ipadic/Adj.csv ... 27210
reading /usr/share/mecab/dic/ipadic/Auxil.csv ... 199
reading /usr/share/mecab/dic/ipadic/Conjunction.csv ... 171
reading /usr/share/mecab/dic/ipadic/Noun.verbal.csv ... 12146
reading /usr/share/mecab/dic/ipadic/Filler.csv ... 19
reading /usr/share/mecab/dic/ipadic/Symbol.csv ... 208
reading /usr/share/mecab/dic/ipadic/Noun.adjv.csv ... 3328
reading /usr/share/mecab/dic/ipadic/Noun.demonst.csv ... 120
reading /usr/share/mecab/dic/ipadic/Postp-col.csv ... 91
reading /usr/share/mecab/dic/ipadic/Noun.proper.csv ... 27328
reading /usr/share/mecab/dic/ipadic/Verb.csv ... 130750
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 to provide /var/lib/mecab/dic/debian (mecab-
dictionary) in auto mode
Setting up mysql-server-core-8.0 (8.0.34-0ubuntu0.22.04.1) ...
Setting up mecab-ipadic-utf8 (2.7.0-20070801+main-3) ...
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Compiling IPA dictionary for Mecab.  This takes long time...
reading /usr/share/mecab/dic/ipadic/unk.def ... 40
emitting double-array: 100% |#######################################|
/usr/share/mecab/dic/ipadic/model.def is not found. skipped.
reading /usr/share/mecab/dic/ipadic/Postp.csv ... 146
reading /usr/share/mecab/dic/ipadic/Prefix.csv ... 221
reading /usr/share/mecab/dic/ipadic/Noun.number.csv ... 42
reading /usr/share/mecab/dic/ipadic/Others.csv ... 2
reading /usr/share/mecab/dic/ipadic/Noun.place.csv ... 72999
reading /usr/share/mecab/dic/ipadic/Interjection.csv ... 252
reading /usr/share/mecab/dic/ipadic/Noun.org.csv ... 16668
reading /usr/share/mecab/dic/ipadic/Noun.others.csv ... 151
reading /usr/share/mecab/dic/ipadic/Suffix.csv ... 1393
reading /usr/share/mecab/dic/ipadic/Noun.nai.csv ... 42
reading /usr/share/mecab/dic/ipadic/Noun.adverbal.csv ... 795
reading /usr/share/mecab/dic/ipadic/Noun.name.csv ... 34202
reading /usr/share/mecab/dic/ipadic/Adverb.csv ... 3032
reading /usr/share/mecab/dic/ipadic/Adnominal.csv ... 135
reading /usr/share/mecab/dic/ipadic/Noun.csv ... 60477
reading /usr/share/mecab/dic/ipadic/Adj.csv ... 27210
reading /usr/share/mecab/dic/ipadic/Auxil.csv ... 199
reading /usr/share/mecab/dic/ipadic/Conjunction.csv ... 171
reading /usr/share/mecab/dic/ipadic/Noun.verbal.csv ... 12146
reading /usr/share/mecab/dic/ipadic/Filler.csv ... 19
reading /usr/share/mecab/dic/ipadic/Symbol.csv ... 208
reading /usr/share/mecab/dic/ipadic/Noun.adjv.csv ... 3328
reading /usr/share/mecab/dic/ipadic/Noun.demonst.csv ... 120
reading /usr/share/mecab/dic/ipadic/Postp-col.csv ... 91
reading /usr/share/mecab/dic/ipadic/Noun.proper.csv ... 27328
reading /usr/share/mecab/dic/ipadic/Verb.csv ... 130750
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 libhtml-parser-perl:arm64 (3.76-1build2) ...
Setting up libhttp-message-perl (6.36-1) ...
Setting up mysql-server-8.0 (8.0.34-0ubuntu0.22.04.1) ...
update-alternatives: using /etc/mysql/mysql.cnf to provide /etc/mysql/my.cnf (my.cnf) in auto
mode
Renaming removed key_buffer and myisam-recover options (if present)
mysqld will log errors to /var/log/mysql/error.log
mysqld is running as pid 17830
Created symlink /etc/systemd/system/multi-user.target.wants/mysql.service → /lib/systemd/
system/mysql.service.
Setting up libcgi-pm-perl (4.54-1) ...
Setting up libhtml-template-perl (2.97-1.1) ...
Setting up mysql-server (8.0.34-0ubuntu0.22.04.1) ...
Setting up libcgi-fast-perl (1:2.15-1) ...
Processing triggers for man-db (2.10.2-1) ...
Processing triggers for libc-bin (2.35-0ubuntu3.3) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.
```

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
root@d:/mysql_study#

root@d:/mysql_study# systemctl status mysql
● mysql.service - MySQL Community Server
    Loaded: loaded (/lib/systemd/system/mysql.service; enabled; vendor preset: enabled)
    Active: active (running) since Tue 2023-10-03 16:48:09 UTC; 4min 29s ago
   Process: 18033 ExecStartPre=/usr/share/mysql/mysql-systemd-start pre (code=exited,
status=0/SUCCESS)
   Main PID: 18041 (mysqld)
    Status: "Server is operational"
     Tasks: 37 (limit: 4521)
    Memory: 364.3M
       CPU: 4.380s
    CGroup: /system.slice/mysql.service
            └─18041 /usr/sbin/mysqld

Oct 03 16:48:08 d systemd[1]: Starting MySQL Community Server...
Oct 03 16:48:09 d systemd[1]: Started MySQL Community Server.

root@d:/mysql_study# wget https://download.virtualbox.org/virtualbox/7.0.10/
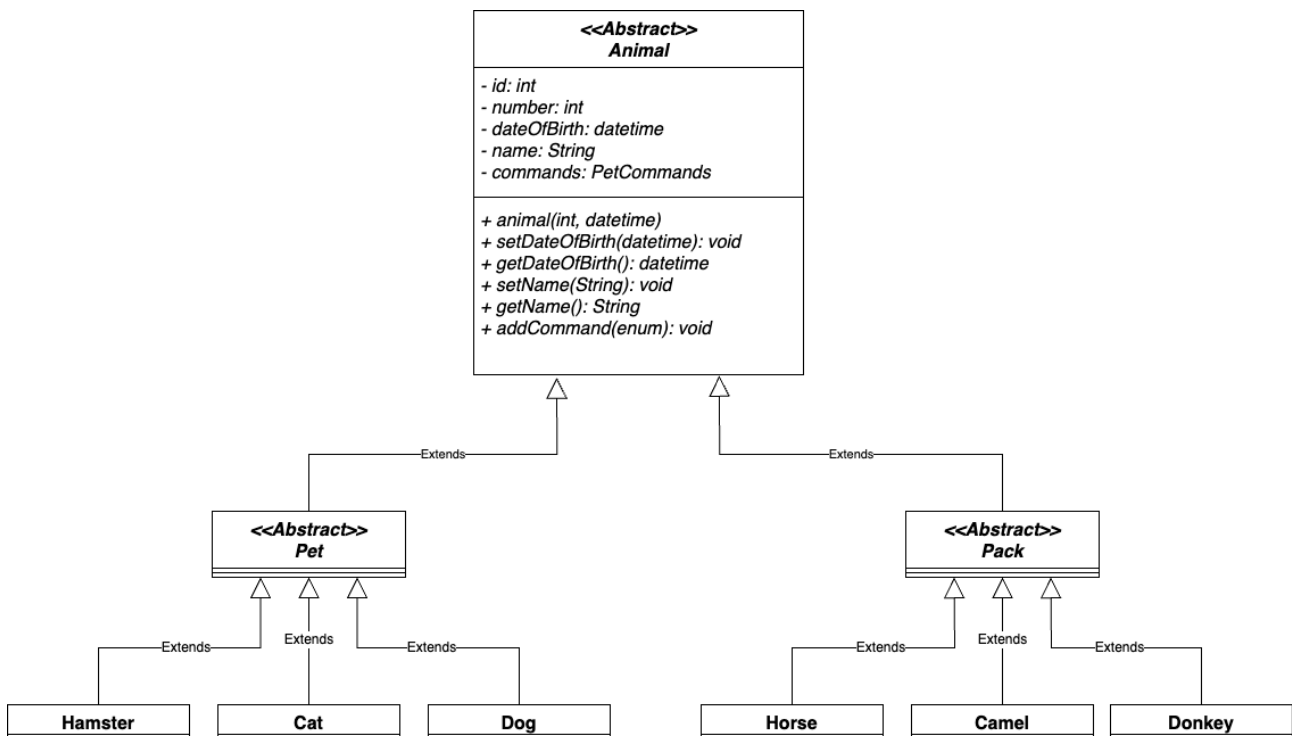virtualbox-7.0_7.0.10-158379~Ubuntu~jammy_amd64.deb

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

root@d:/mysql_study# ll
root@d:/mysql_study# dpkg -i virtualbox-7.0_7.0.10-158379~Ubuntu~jammy_amd64.deb

root@d:/mysql_study# apt -f install

root@d:/mysql_study# dpkg -r virtualbox-7.0_7.0.10-158379~Ubuntu~jammy_amd64.deb

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. В подключенном MySQL репозитории создать базу данных "Друзья человека"

root@d:/mysql_study# mysql
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 10
Server version: 8.0.34-0ubuntu0.22.04.1 (Ubuntu)

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owners.

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

mysql> CREATE DATABASE ManFriends;
Query OK, 1 row affected (0.06 sec)

mysql> USE ManFriends;
Database changed

8. Создать таблицы с иерархией из диаграммы в БД

mysql> CREATE TABLE Animals(Id INT PRIMARY KEY AUTO_INCREMENT,Type VARCHAR(20) NOT NULL);
Query OK, 0 rows affected (0.07 sec)

mysql> CREATE TABLE Pets(Id INT PRIMARY KEY AUTO_INCREMENT,Name VARCHAR(20) NOT NULL,Command VARCHAR(20) NOT NULL,Birthdade DATE NOT NULL);
Query OK, 0 rows affected (0.06 sec)

mysql> show databases;
+--------------------+
| Database |
+--------------------+
| ManFriends |
| information_schema |
| mysql |
| performance_schema |
| sys |
+--------------------+
5 rows in set (0.00 sec)

mysql> show tables;
+----------------------+
| Tables_in_ManFriends |
+----------------------+
| Animals |
| Pets |

```
+--------------------+
2 rows in set (0.00 sec)

mysql> CREATE TABLE Pack(Id INT PRIMARY KEY AUTO_INCREMENT,Command VARCHAR(20)
NOT NULL,Birthdade DATE,FOREIGN KEY (Id) REFERENCES Animals (Id));
Query OK, 0 rows affected (0.08 sec)

mysql> show tables;
+--------------------+
| Tables_in_ManFriends |
+--------------------+
| Animals            |
| Pack               |
| Pets               |
+--------------------+
3 rows in set (0.01 sec)
```

9. Заполнить низкоуровневые таблицы именами(животных), командами которые они выполняют и датами рождения

```
mysql> INSERT INTO Animals (Type) VALUES ('Pets');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO Animals (Type) VALUES ('Pack');
Query OK, 1 row affected (0.02 sec)

mysql> describe Animals;
+-------+-------------+------+-----+---------+----------------+
| Field | Type        | Null | Key | Default | Extra          |
+-------+-------------+------+-----+---------+----------------+
| Id    | int         | NO   | PRI | NULL    | auto_increment |
| Type  | varchar(20) | NO   |     | NULL    |                |
+-------+-------------+------+-----+---------+----------------+

mysql> INSERT INTO Pets (Name, Command, Birthdade) VALUES ('Hamster','Run','2023-10-01');
Query OK, 1 row affected (0.02 sec)

mysql> INSERT INTO Pets (Name, Command, Birthdade) VALUES ('Cat','Sleep','2023-09-05');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO Pack (Name, Command, Birthdade) VALUES ('Camel','Move','2023-09-25');
mysql> INSERT INTO Pack (Name, Command, Birthdade) VALUES
('Mule','MoveSlowly','2023-08-10');
```

10. Удалив из таблицы верблюдов, т.к. верблюдов решили перевезти в другой питомник на зимовку. Объединить таблицы лошади, и ослы в одну таблицу.

```
mysql> DELETE FROM Camel;
```

11.Создать новую таблицу "молодые животные" в которую попадут все животные старше 1 года, но младше 3 лет и в отдельном столбце с точностью до месяца подсчитать возраст животных в новой таблице
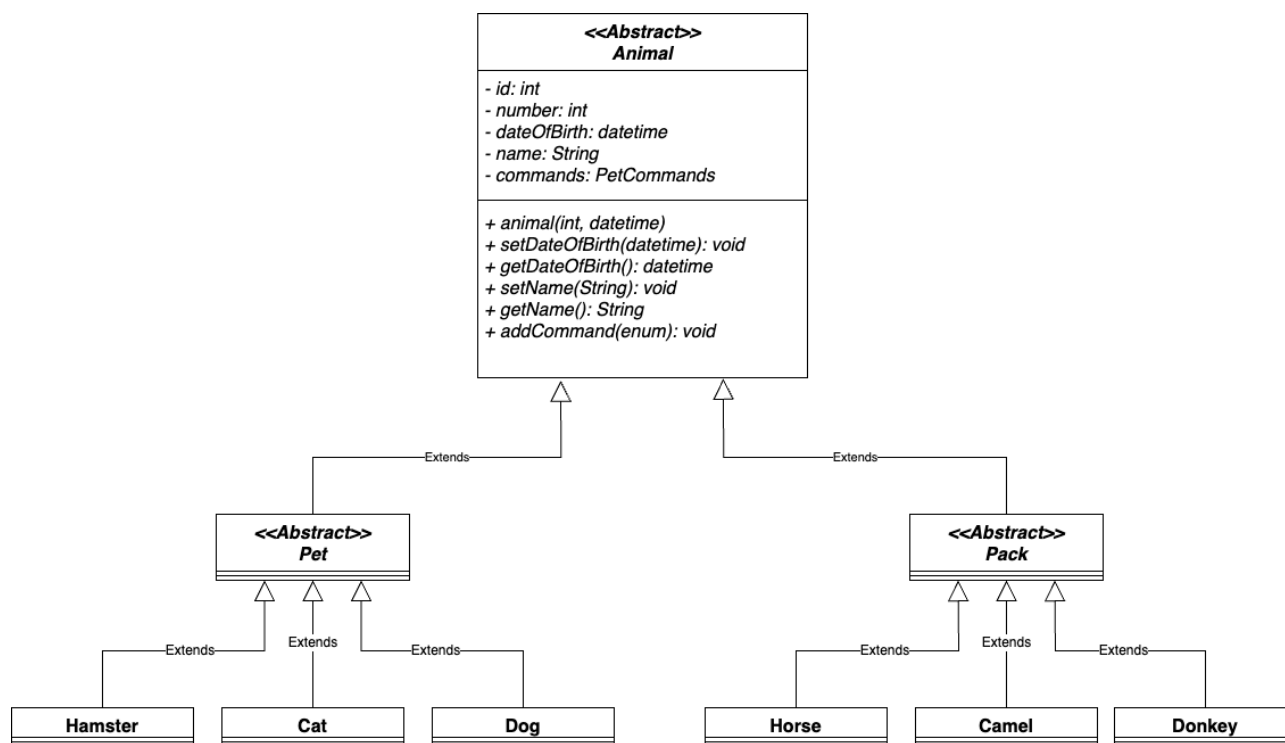
```
mysql> CREATE TABLE YoungAnimals(Id INT PRIMARY KEY AUTO_INCREMENT, Name
VARCHAR(20), Birthdate DATE);
Query OK, 0 rows affected (0.07 sec)
```

mysql> INSERT INTO YoungAnimals(Name, AgeInMounths) SELECT Name, TIMESTAMPDIFF(MONTH,Birthdade, NOW()) AS AgeInMonths FROM Pets WHERE TIMESTAMPDIFF(YEAR, Birthdade, NOW()) BETWEEN 1 AND 3;

12. Объединить все таблицы в одну, при этом сохраняя поля, указывающие на прошлую принадлежность к старым таблицам.

mysql> SELECT Id, Name, Command, birthdade
—> FROM Pets
—> UNION
—> SELECT Id, Name, Command, birthdade
—> FROM Pack;

13.Создать класс с Инкапсуляцией методов и наследованием по

диаграмме.

14. Написать программу, имитирующую работу реестра домашних животных.