

```
seta@Seta:~$ cat > Pets <<EOF
Собаки
Кошки
Хомяки
EOF
seta@Seta:~$ cat > "Pack animals" <<EOF
Лошади
Верблюды
Ослы
EOF
seta@Seta:~$ ls
Desktop  Documents  Downloads  Music  'Pack animals'  Pets  Pictures  Public  snap  Templates  Videos
seta@Seta:~$ cat Pets "Pack animals"
Собаки
Кошки
Хомяки
Лошади
Верблюды
Ослы
seta@Seta:~$ cat Pets "Pack animals" > "Human Friends"
seta@Seta:~$ ls
Desktop      Downloads      Music      Pets      Public  Templates
Documents  'Human Friends'  'Pack animals'  Pictures  snap     Videos
seta@Seta:~$ |
```

```
seta@Seta:~$ cat > "Pack animals" <<EOF
Лошади
Верблюды
Ослы
EOF
seta@Seta:~$ ls
Desktop  Documents  Downloads  Music  'Pack animals'  Pets  Pictures  Public  snap  Templates  Videos
seta@Seta:~$ cat Pets "Pack animals"
Собаки
Кошки
Хомяки
Лошади
Верблюды
Ослы
seta@Seta:~$ cat Pets "Pack animals" > "Human Friends"
seta@Seta:~$ ls
Desktop  Downloads  Music  Pets  Public  Templates
Documents 'Human Friends' 'Pack animals' Pictures snap  Videos
seta@Seta:~$ mkdir my_hw
seta@Seta:~$ ls my_hw
seta@Seta:~$ ls
Desktop  Downloads  Music  'Pack animals'  Pictures  snap  Videos
Documents 'Human Friends' my_hw  Pets  Public  Templates
seta@Seta:~$ mv "Human Friends" my_hw/
seta@Seta:~$ ls
Desktop  Documents  Downloads  Music  my_hw  'Pack animals'  Pets  Pictures  Public  snap  Templates  Videos
seta@Seta:~$
```

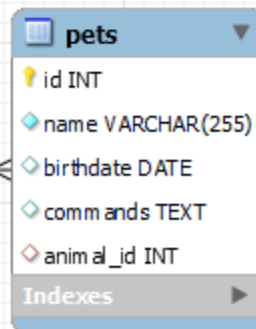
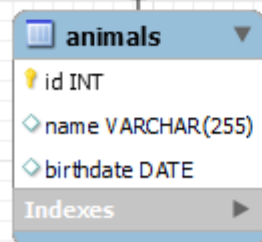
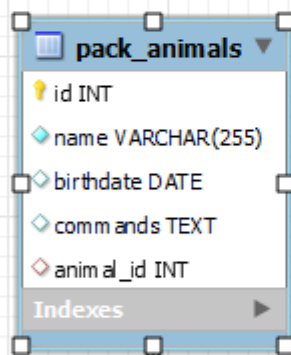
```
seta@Seta: ~
seta@Seta:~$ mv "Human Friends" my_hw/
seta@Seta:~$ ls
Desktop  Documents  Downloads  Music  my_hw  'Pack animals'  Pets  Pictures  Public  snap  Templates  Videos
seta@Seta:~$
seta@Seta:~$ sudo apt update
[sudo] password for seta:
Ign:1 http://ru.archive.ubuntu.com/ubuntu mantic InRelease
Ign:2 http://security.ubuntu.com/ubuntu mantic-security InRelease
Ign:3 http://ru.archive.ubuntu.com/ubuntu mantic-updates InRelease
Ign:2 http://security.ubuntu.com/ubuntu mantic-security InRelease
Ign:4 http://ru.archive.ubuntu.com/ubuntu mantic-backports InRelease
Ign:2 http://security.ubuntu.com/ubuntu mantic-security InRelease
Ign:1 http://ru.archive.ubuntu.com/ubuntu mantic InRelease
Err:2 http://security.ubuntu.com/ubuntu mantic-security InRelease
      Temporary failure resolving 'security.ubuntu.com'
Ign:3 http://ru.archive.ubuntu.com/ubuntu mantic-updates InRelease
Ign:4 http://ru.archive.ubuntu.com/ubuntu mantic-backports InRelease
Hit:1 http://ru.archive.ubuntu.com/ubuntu mantic InRelease
Hit:3 http://ru.archive.ubuntu.com/ubuntu mantic-updates InRelease
Hit:4 http://ru.archive.ubuntu.com/ubuntu mantic-backports InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
118 packages can be upgraded. Run 'apt list --upgradable' to see them.
W: Failed to fetch http://security.ubuntu.com/ubuntu/dists/mantic-security/InRelease Temporary failure resolving 'security.ubuntu.com'
W: Some index files failed to download. They have been ignored, or old ones used instead.
seta@Seta:~$ sudo apt install software-properties-common
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
software-properties-common is already the newest version (0.99.39).
software-properties-common set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 118 not upgraded.
seta@Seta:~$ sudo add-apt-repository -y mysql/mysql-server
Unable to handle repository shortcut 'mysql/mysql-server'
seta@Seta:~$ sudo apt update
Hit:1 http://ru.archive.ubuntu.com/ubuntu mantic InRelease
Hit:2 http://ru.archive.ubuntu.com/ubuntu mantic-updates InRelease
Hit:3 http://ru.archive.ubuntu.com/ubuntu mantic-backports InRelease
Hit:4 http://security.ubuntu.com/ubuntu mantic-security InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
118 packages can be upgraded. Run 'apt list --upgradable' to see them.
seta@Seta:~$ 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-lite32 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-lite32 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 118 not upgraded.
reading /usr/share/mecab/dic/ipadic/Adnominal.csv ... 135
reading /usr/share/mecab/dic/ipadic/Postp.csv ... 146
reading /usr/share/mecab/dic/ipadic/Others.csv ... 2
reading /usr/share/mecab/dic/ipadic/Interjection.csv ... 252
reading /usr/share/mecab/dic/ipadic/Noun.adjv.csv ... 3328
reading /usr/share/mecab/dic/ipadic/Adverb.csv ... 3032
reading /usr/share/mecab/dic/ipadic/Noun.proper.csv ... 27328
reading /usr/share/mecab/dic/ipadic/Auxil.csv ... 199
reading /usr/share/mecab/dic/ipadic/Noun.others.csv ... 151
reading /usr/share/mecab/dic/ipadic/Adj.csv ... 27210
reading /usr/share/mecab/dic/ipadic/Filler.csv ... 19
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seta@Seta: ~
Hit:3 http://ru.archive.ubuntu.com/ubuntu mantic-updates InRelease
Hit:4 http://ru.archive.ubuntu.com/ubuntu mantic-backports InRelease
Get:5 http://repo.mysql.com/apt/ubuntu mantic InRelease [17.9 kB]
Err:5 http://repo.mysql.com/apt/ubuntu mantic InRelease
  The following signatures couldn't be verified because the public key is not available: NO_PUBKEY B7B3B788A8D3785C
Reading package lists... Done
W: GPG error: http://repo.mysql.com/apt/ubuntu mantic InRelease: The following signatures couldn't be verified because the public key is not available: NO_PUBKEY B7B3B788A8D3785C
E: The repository 'http://repo.mysql.com/apt/ubuntu mantic 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.
seta@Seta:~$ sudo apt-key adv --keyserver keyserver.ubuntu.com --recv-keys 8C718D3B5072E1F5
Warning: apt-key is deprecated. Manage keyring files in trusted.gpg.d instead (see apt-key(8)).
Executing: /tmp/apt-key-gpghome.uk0vUSBXgn/gpg.1.sh --keyserver keyserver.ubuntu.com --recv-keys 8C718D3B5072E1F5
gpg: key 8C718D3B5072E1F5: 6 duplicate signatures removed
gpg: key 8C718D3B5072E1F5: public key "MySQL Release Engineering <mysql-build@oss.oracle.com>" imported
gpg: Total number processed: 1
gpg: imported: 1
seta@Seta:~$ sudo apt update
Get:1 http://repo.mysql.com/apt/ubuntu mantic InRelease [17.9 kB]
Hit:2 http://security.ubuntu.com/ubuntu mantic-security InRelease
Err:1 http://repo.mysql.com/apt/ubuntu mantic InRelease
  The following signatures couldn't be verified because the public key is not available: NO_PUBKEY B7B3B788A8D3785C
Hit:3 http://ru.archive.ubuntu.com/ubuntu mantic InRelease
Hit:4 http://ru.archive.ubuntu.com/ubuntu mantic-updates InRelease
Hit:5 http://ru.archive.ubuntu.com/ubuntu mantic-backports InRelease
Reading package lists... Done
W: GPG error: http://repo.mysql.com/apt/ubuntu mantic InRelease: The following signatures couldn't be verified because the public key is not available: NO_PUBKEY B7B3B788A8D3785C
E: The repository 'http://repo.mysql.com/apt/ubuntu mantic 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.
seta@Seta:~$ sudo apt-key adv --keyserver keyserver.ubuntu.com --recv-keys 8C718D3B5072E1F5
Warning: apt-key is deprecated. Manage keyring files in trusted.gpg.d instead (see apt-key(8)).
Executing: /tmp/apt-key-gpghome.6n5P7s0TW0/gpg.1.sh --keyserver keyserver.ubuntu.com --recv-keys 8C718D3B5072E1F5
gpg: key 8C718D3B5072E1F5: 6 duplicate signatures removed
gpg: key 8C718D3B5072E1F5: "MySQL Release Engineering <mysql-build@oss.oracle.com>" not changed
gpg: Total number processed: 1
gpg: unchanged: 1
seta@Seta:~$ sudo apt update
Hit:1 http://security.ubuntu.com/ubuntu mantic-security InRelease
Hit:2 http://ru.archive.ubuntu.com/ubuntu mantic InRelease
Hit:3 http://ru.archive.ubuntu.com/ubuntu mantic-updates InRelease
Get:4 http://repo.mysql.com/apt/ubuntu mantic InRelease [17.9 kB]
Hit:5 http://ru.archive.ubuntu.com/ubuntu mantic-backports InRelease
Err:4 http://repo.mysql.com/apt/ubuntu mantic InRelease
  The following signatures couldn't be verified because the public key is not available: NO_PUBKEY B7B3B788A8D3785C
Reading package lists... Done
W: GPG error: http://repo.mysql.com/apt/ubuntu mantic InRelease: The following signatures couldn't be verified because the public key is not available: NO_PUBKEY B7B3B788A8D3785C
E: The repository 'http://repo.mysql.com/apt/ubuntu mantic 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.
seta@Seta:~$ sudo apt install mysql-server
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
mysql-server is already the newest version (8.0.36-0ubuntu0.23.10.1).
0 upgraded, 0 newly installed, 0 to remove and 118 not upgraded.
seta@Seta:~$ sudo systemctl status mysql
● mysql.service - MySQL Community Server
   Loaded: loaded (/lib/systemd/system/mysql.service; enabled; preset: enabled)
   Active: active (running) since Tue 2024-04-16 18:55:00 +07; 4min 5s ago
 Process: 16844 ExecStartPre=/usr/share/mysql/mysql-systemd-start pre (code=exited, status=0/SUCCESS)
 Main PID: 16852 (mysqld)
   Status: "Server is operational"
    Tasks: 37 (limit: 7006)
  Memory: 365.2M
     CPU: 2.617s
   CGroup: /system.slice/mysql.service
           └─16852 /usr/sbin/mysqld

Apr 16 18:54:59 Seta systemd[1]: Starting mysql.service - MySQL Community Server...
```



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seta@Seta: ~  
seta@Seta:~$ sudo apt download htop  
Get:1 http://ru.archive.ubuntu.com/ubuntu mantic/main amd64 htop amd64 3.2.2-2 [158 kB]  
Fetched 158 kB in 3s (56.9 kB/s)  
W: Download is performed unsandboxed as root as file '/home/seta/htop_3.2.2-2_amd64.deb' couldn't be accessed by user '_apt'. - pkgAcquire::Run (13: Permission denied)  
seta@Seta:~$ sudo dpkg -i htop*.deb  
Selecting previously unselected package htop.  
(Reading database ... 171314 files and directories currently installed.)  
Preparing to unpack htop_3.2.2-2_amd64.deb ...  
Unpacking htop (3.2.2-2) ...  
Setting up htop (3.2.2-2) ...  
Processing triggers for mailcap (3.70+nmu1ubuntu1) ...  
Processing triggers for gnome-menus (3.36.0-1.1ubuntu1) ...  
Processing triggers for desktop-file-utils (0.26-1ubuntu5) ...  
Processing triggers for hicolor-icon-theme (0.17-2) ...  
Processing triggers for man-db (2.11.2-3) ...  
seta@Seta:~$ sudo dpkg -r htop  
(Reading database ... 171324 files and directories currently installed.)  
Removing htop (3.2.2-2) ...  
Processing triggers for man-db (2.11.2-3) ...  
Processing triggers for hicolor-icon-theme (0.17-2) ...  
Processing triggers for mailcap (3.70+nmu1ubuntu1) ...  
Processing triggers for gnome-menus (3.36.0-1.1ubuntu1) ...  
Processing triggers for desktop-file-utils (0.26-1ubuntu5) ...  
seta@Seta:~$ sudo dpkg -P htop  
dpkg: warning: ignoring request to remove htop which isn't installed  
seta@Seta:~$
```



MySQL Workbench

Local instance MySQL80

FileEditViewQueryDatabaseServerToolsScriptingHelp

Navigator

hw

Limit to 1000 rows

SCHEMAS

Filter objects

db101

db102

db104

db105

db13

humanfriends

- Tables
  - animals
    - Columns
    - Indexes
    - Foreign Keys
    - Triggers
  - pack\_animals
    - Columns
    - Indexes
    - Foreign Keys
    - Triggers
  - pets
- Views
- Stored Procedures
- Functions

sakila

sys

world

Administration

Schemas

Information

No object selected

1

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create database HumanFriends;

use HumanFriends;

create table animals (

id int auto\_increment primary key,

name varchar(255),

birthdate date

);

create table pets (

id int auto\_increment primary key,

name varchar(255) not null,

birthdate date,

commands text,

animal\_id INT,

FOREIGN KEY (animal\_id) REFERENCES animals(id)

);

create table pack\_animals (

id int auto\_increment primary key,

name varchar(255) not null,

birthdate date,

commands text,

animal\_id INT,

FOREIGN KEY (animal\_id) REFERENCES animals(id)

);

INSERT INTO animals (name, birthdate)

VALUES

( 'dog', '2018-05-15'),

( 'cat', '2019-02-28'),

( 'hamster', '2020-10-10'),

( 'horse', '2015-07-20'),

( 'camel', '2017-04-12'),

( 'donkey', '2016-11-30');

INSERT INTO pets (name, birthdate, commands, animal\_id)

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	origin_table	animal_id	name	birthdate	commands
	pets	1	dog	2018-05-15	Sit, Stay, Fetch
	pets	2	cat	2019-02-28	Sleep, Play, Purr
	pets	3	hamster	2020-10-10	Run, Eat, Exercise
	pack_animals	1	Horse	2015-07-20	Gallop, Trot, Jump
	pack_animals	3	Donkey	2016-11-30	Pull, Carry, Trot

all\_animals 3





MySQL Workbench

Local instance MySQL80

FileEditViewQueryDatabaseServerToolsScriptingHelp

SQL

SQL

Navigator

hw

Limit to 1000 rows

SCHEMAS

Filter objects

db101

db102

db104

db105

db13

humanfriends

- Tables
  - animals
    - Columns
    - Indexes
    - Foreign Keys
    - Triggers
  - pack\_animals
    - Columns
    - Indexes
    - Foreign Keys
    - Triggers
  - pets
- Views
- Stored Procedures
- Functions

sakila

sys

world

AdministrationSchemasInformation

No object selected

75

•

create table pack\_animals (  
76     id int auto\_increment primary key,  
77     name varchar(255) not null,  
78     birthdate date,  
79     commands text,  
80     animal\_id INT,  
81     FOREIGN KEY (animal\_id) REFERENCES animals(id)  
82   );  
83  
84 •   INSERT INTO animals (name, birthdate)  
85   VALUES  
86       ('dog', '2018-05-15'),  
87       ('cat', '2019-02-28'),  
88       ('hamster', '2020-10-10'),  
89       ('horse', '2015-07-20'),  
90       ('camel', '2017-04-12'),  
91       ('donkey', '2016-11-30');  
92  
93 •   INSERT INTO pets (name, birthdate, commands, animal\_id)  
94   VALUES  
95       ('dog', '2018-05-15', 'Sit, Stay, Fetch', 1),  
96       ('cat', '2019-02-28', 'Sleep, Play, Purr', 2),  
97       ('hamster', '2020-10-10', 'Run, Eat, Exercise', 3);  
98  
99  
100 •   INSERT INTO pack\_animals (name, birthdate, commands, animal\_id)  
101   VALUES  
102       ('Horse', '2015-07-20', 'Gallop, Trot, Jump', 4),  
103       ('Camel', '2017-04-12', 'Carry, Walk, Run', 5),  
104       ('Donkey', '2016-11-30', 'Pull, Carry, Trot', 6);  
105  
106  
107 •   DELETE FROM pack\_animals WHERE name = 'Camel';  
108  
109 •   CREATE TABLE horses\_and\_donkeys AS  
110   SELECT \* FROM pets WHERE name IN ('horse', 'donkey');  
111  
112 •   CREATE TABLE animals\_1\_to\_3\_years AS  
113   SELECT \* FROM animals WHERE birthdate BETWEEN DATE\_SUB(NOW(), INTERVAL 3 YEAR) AND DATE\_SUB(NOW(), INTERVAL 1 YEAR);  
114

Result Grid

Filter Rows:

Export:

Wrap Cell Content: [⌘](#)

	origin_table	animal_id	name	birthdate	commands
▶	pets	1	dog	2018-05-15	Sit, Stay, Fetch
	pets	2	cat	2019-02-28	Sleep, Play, Purr
	pets	3	hamster	2020-10-10	Run, Eat, Exercise
	pack_animals	1	Horse	NULL	Gallop, Trot, Jump
	pack_animals	3	Donkey	NULL	Pull, Carry, Trot



Файл    Изменить    Просмотр

```
cat > Pets <<EOF
```

```
Собаки
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Кошки
```

```
Хомяки
```

```
EOF
```

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

```
Лошади
```

```
Верблюды
```

```
Ослы
```

```
EOF
```

```
cat Pets "Pack animals" > HumanFriends.txt
```

```
mkdir my_hw
```

```
mv HumanFriends.txt my_hw
```

```
sudo apt install mysql-server
```

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

```
sudo apt download htop
```

```
sudo dpkg -i htop*.deb
```

```
sudo dpkg -r htop
```