user@-:~\$ cat > Домашние животные.txt << EOF

И

Хомяк> Собаки

Кошки

Хомяки

EOF

user@-:\$ cat > Вьючные животные.txt << EOF

Лошади

Верблюды

Ослы

EOF

user@-:\$ cat Домашние_животные.txt Вьючные_животные.txt > Объединенный_файл.txt user@-:\$ cat Объединенный_файл.txt

Собаки

Кошки

Хомяки

Лошади

Верблюды

Ослы

user@-:\$ mv Объединенный_файл.txt Друзья_человека.txt user@-:\$ mkdir Питомник

user@-:\$ mv Друзья_человека.txt Питомник/

user@-:~\$ ls Питомник/

Друзья человека.txt

user@-:~\\$ wget https://dev.mysql.com/get/mysql-apt-config 0.8.34-1 all.deb --2025-08-30 08:09:50-https://dev.mysql.com/get/mysql-apt-config 0.8.34-1 all.deb (dev.mysql.com)... 92.123.205.252, 2001:2030:21:1a9::2e31, dev.mysql.com 2001:2030:21:19e::2e31 Connecting dev.mysql.com to (dev.mysql.com)|92.123.205.252|:443... connected. HTTP request sent, awaiting response... 302 Moved Temporarily Location: https://repo.mysql.com//mysql-apt-config 0.8.34-1 all.deb [following] --2025-08-30 08:09:50-- https://repo.mysql.com//mysql-apt-config 0.8.34-1 all.deb Resolving repo.mysql.com (repo.mysql.com)... 23.210.253.96, 2a02:26f0:e80:499::1d68, 2a02:26f0:e80:481::1d68 Connecting to repo.mysql.com (repo.mysql.com)|23.210.253.96|:443... connected. HTTP request sent, awaiting response... 200 OK Length: 18108 (18K) [application/x-debian-package] Saving to: 'mysql-aptconfig 0.8.34-1 all.deb'

```
mysql-apt-config\_0.8.34\text{-}1\_all.deb
```

===>] 17.68K --.-KB/s in 0.001s

2025-08-30 08:09:50 (29.3 MB/s) - 'mysql-apt-config 0.8.34-1 all.deb' saved [18108/18108]

user@-:\$ ls -la mysql-apt-config 0.8.34-1 all.deb

-rw-r--r-- 1 user user 18108 Apr 2 19:51 mysql-apt-config 0.8.34-1 all.deb

user@-:\$ sudo dpkg -i mysql-apt-config_0.8.34-1_all.deb

(Reading database ... 46254 files and directories currently installed.) Preparing to unpack mysql-apt-config_0.8.34-1_all.deb ... Unpacking mysql-apt-config (0.8.34-1) over (0.8.28-1) ... Setting up mysql-apt-config (0.8.34-1) ...

user@-:\$ sudo apt-get update

Hit:1 https://download.docker.com/linux/ubuntu jammy InRelease

Hit:2 http://security.ubuntu.com/ubuntu jammy-security InRelease

Get:3 http://repo.mysql.com/apt/ubuntu jammy InRelease [25.1 kB]

Hit:4 http://archive.ubuntu.com/ubuntu jammy InRelease

Hit:5 http://archive.ubuntu.com/ubuntu jammy-updates InRelease

Hit:6 http://archive.ubuntu.com/ubuntu jammy-backports InRelease

Get:7 http://repo.mysql.com/apt/ubuntu jammy/mysql-8.0 Sources [962 B]

Get:8 http://repo.mysql.com/apt/ubuntu jammy/mysql-apt-config amd64 Packages [566 B] Get:9 http://repo.mysql.com/apt/ubuntu jammy/mysql-8.0 amd64 Packages [12.6 kB]

Get:10 http://repo.mysql.com/apt/ubuntu jammy/mysql-tools amd64 Packages [4177 B] Fetched 43.4 kB in 2s (24.7 kB/s) Reading package lists... Done

user@-:~\$ sudo apt-get install mysql-server

Reading package lists... Done Building dependency tree... Done Reading state information... Done The following additional packages will be installed: libaio1 libmecab2 mecab-ipadic mecab-ipadic-utf8 mecab-utils mysql-client mysql-common mysql-community-client mysql-community-server mysql-community-server core The following NEW packages will be installed: libaio1 libmecab2 mecab-ipadic mecab-ipadic-utf8 mecab-utils mysql-client mysql-common mysql-community-client mysql-community-client-core mysql-community-client-plugins mysql-community-server mysql-community-server 0 upgraded, 13 newly installed, 0 to remove and 0 not upgraded. Need to get 41.1 MB of archives. After this operation, 283 MB of

additional disk space will be used. Do you want to continue? [Y/n] Y Get:1 http://archive.ubuntu.com/ubuntu jammy/main amd64 libaio1 amd64 0.3.112-13build1 [7176 B]

Get:2 http://repo.mysql.com/apt/ubuntu jammy/mysql-8.0 amd64 mysql-common amd64 8.0.43-1ubuntu22.04 [60.5 kB]

Get:3 http://archive.ubuntu.com/ubuntu jammy/main amd64 libmecab2 amd64 0.996-14build9 [199 kB]

Get:4 http://repo.mysql.com/apt/ubuntu jammy/mysql-8.0 amd64 mysql-community-client-plugins amd64 8.0.43-1ubuntu22.04 [1443 kB]

Get:5 http://repo.mysql.com/apt/ubuntu jammy/mysql-8.0 amd64 mysql-community-client-core amd64 8.0.43-1ubuntu22.04 [2159 kB]

Get:6 http://repo.mysql.com/apt/ubuntu jammy/mysql-8.0 amd64 mysql-community-client amd64 8.0.43-1ubuntu22.04 [2148 kB]

Get:7 http://archive.ubuntu.com/ubuntu jammy/main amd64 mecab-utils amd64 0.996-14build9 [4850 B]

Get:8 http://archive.ubuntu.com/ubuntu jammy/main amd64 mecab-ipadic all 2.7.0-20070801+main-3 [6718 kB]

Get:9 http://repo.mysql.com/apt/ubuntu jammy/mysql-8.0 amd64 mysql-client amd64 8.0.43-1ubuntu22.04 [59.3 kB]

Get:10 http://repo.mysql.com/apt/ubuntu jammy/mysql-8.0 amd64 mysql-community-server-core amd64 8.0.43-1ubuntu22.04 [28.2 MB]

Get:11 http://archive.ubuntu.com/ubuntu jammy/main amd64 mecab-ipadic-utf8 all 2.7.0-20070801+main-3 [4384 B]

Get:12 http://repo.mysql.com/apt/ubuntu jammy/mysql-8.0 amd64 mysql-community-server amd64 8.0.43-1ubuntu22.04 [71.1 kB]

Get:13 http://repo.mysql.com/apt/ubuntu jammy/mysql-8.0 amd64 mysql-server amd64 8.0.43-1ubuntu22.04 [59.2 kB] Fetched 41.1 MB in 3s (14.9 MB/s)

Preconfiguring packages ... Selecting previously unselected package mysql-common. (Reading database ... 46254 files and directories currently installed.) Preparing to unpack .../00-mysql-common_8.0.43-1ubuntu22.04_amd64.deb ... Unpacking mysql-common (8.0.43-1ubuntu22.04) ... Selecting previously unselected package mysql-community-client-plugins. Preparing to unpack .../01-mysql-community-client-plugins_8.0.43-1ubuntu22.04_amd64.deb ... Unpacking mysql-community-client-plugins (8.0.43-1ubuntu22.04) ... Selecting previously unselected package mysql-community-client-core. Preparing to unpack .../02-mysql-community-client-core_8.0.43-1ubuntu22.04_amd64.deb ... Unpacking mysql-community-client-core_8.0.43-1ubuntu22.04_amd64.deb ... Unpacking mysql-community-client-core_8.0.43-1ubuntu22.04_amd64.deb

client-core (8.0.43-1ubuntu22.04) ... Selecting previously unselected package mysqlcommunity-client. Preparing to unpack .../03-mysql-community-client 8.0.43-1ubuntu22.04 amd64.deb ... Unpacking mysql-community-client (8.0.43-1ubuntu22.04) ... Selecting previously unselected package mysql-client. Preparing to unpack .../04-mysqlclient 8.0.43-1ubuntu22.04 amd64.deb ... Unpacking mysql-client (8.0.43-1ubuntu22.04) ... Selecting previously unselected package libaio1:amd64. Preparing to unpack .../05libaio1 0.3.112-13build1 amd64.deb ... Unpacking libaio1:amd64 (0.3.112-13build1) ... Selecting previously unselected package libmecab2:amd64. Preparing to unpack .../06libmecab2 0.996-14build9 amd64.deb ... Unpacking libmecab2:amd64 (0.996-14build9) ... Selecting previously unselected package mysql-community-server-core. Preparing to unpack .../07-mysql-community-server-core 8.0.43-1ubuntu22.04 amd64.deb ... Unpacking mysqlcommunity-server-core (8.0.43-1ubuntu22.04) ... Selecting previously unselected package mysql-community-server. Preparing to unpack .../08-mysql-community-server 8.0.43-1ubuntu22.04 amd64.deb ... Unpacking mysql-community-server (8.0.43-1ubuntu22.04) ... Selecting previously unselected package mecab-utils. Preparing to unpack .../09-mecabutils 0.996-14build9 amd64.deb ... Unpacking mecab-utils (0.996-14build9) ... Selecting previously unselected package mecab-ipadic. Preparing to unpack .../10-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 .../11-mecab-ipadicutf8 2.7.0-20070801+main-3 all.deb Unpacking mecab-ipadic-utf8 ... 20070801+main-3) ... Selecting previously unselected package mysql-server. Preparing to unpack .../12-mysql-server 8.0.43-1ubuntu22.04 amd64.deb ... Unpacking mysql-server (8.0.43-1ubuntu22.04) ... Setting up libmecab2:amd64 (0.996-14build9) ... Setting up mysqlcommon (8.0.43-1ubuntu22.04) ... update-alternatives: using /etc/mysql/my.cnf.fallback to provide /etc/mysql/my.cnf (my.cnf) in auto mode Setting up mecab-utils (0.996-14build9) ... mysql-community-client-plugins (8.0.43-1ubuntu22.04) libaio1:amd64 (0.3.112-13build1) ... Setting up mecab-ipadic (2.7.0-20070801+main-3) ... dictionary Compiling **IPA** for Mecab. This takes long time... reading /usr/share/mecab/dic/ipadic/unk.def 40 emitting double-array: 100% is not found. skipped. reading /usr/share/mecab/dic/ipadic/Noun.others.csv ... 151 reading /usr/share/mecab/dic/ipadic/Conjunction.csv 171 reading /usr/share/mecab/dic/ipadic/Adverb.csv 3032 reading reading /usr/share/mecab/dic/ipadic/Suffix.csv 1393 /usr/share/mecab/dic/ipadic/Noun.name.csv reading 34202 /usr/share/mecab/dic/ipadic/Postp-col.csv reading 91 /usr/share/mecab/dic/ipadic/Noun.number.csv reading 42 /usr/share/mecab/dic/ipadic/Auxil.csv 199 reading /usr/share/mecab/dic/ipadic/Noun.place.csv 72999 reading /usr/share/mecab/dic/ipadic/Filler.csv 19 reading /usr/share/mecab/dic/ipadic/Noun.proper.csv reading 27328 /usr/share/mecab/dic/ipadic/Others.csv ... 2 reading /usr/share/mecab/dic/ipadic/Noun.nai.csv reading /usr/share/mecab/dic/ipadic/Prefix.csv ... 221 reading /usr/share/mecab/dic/ipadic/Noun.org.csv reading 16668 /usr/share/mecab/dic/ipadic/Noun.csv 60477 reading /usr/share/mecab/dic/ipadic/Symbol.csv ... 208 reading /usr/share/mecab/dic/ipadic/Postp.csv /usr/share/mecab/dic/ipadic/Noun.adverbal.csv 146 reading 795 reading /usr/share/mecab/dic/ipadic/Adnominal.csv reading 135 /usr/share/mecab/dic/ipadic/Interjection.csv 252 reading /usr/share/mecab/dic/ipadic/Noun.demonst.csv 120 reading /usr/share/mecab/dic/ipadic/Adj.csv ... 27210 reading /usr/share/mecab/dic/ipadic/Verb.csv ... /usr/share/mecab/dic/ipadic/Noun.verbal.csv 130750 12146 reading /usr/share/mecab/dic/ipadic/Noun.adjv.csv 3328 emitting double-array: 100% reading 100% /usr/share/mecab/dic/ipadic/matrix.def 1316x1316 emitting matrix

done!

update-alternatives: using /var/lib/mecab/dic							
(mecab-dictionary) in auto mode Setting up mysql-community-client-core (8.0.43-							
1ubuntu22.04) Setting up mysql-community-server-core (8.0.43-1ubuntu22.04) Setting							
up mecab-ipadic-utf8 (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% #####	######################################	######################################	<i>\##########</i>				
/usr/share/mecab/dic/ipadic/model.def is	not fe	ound. skippe	ed. reading				
/usr/share/mecab/dic/ipadic/Noun.others.csv	•••	151	reading				
/usr/share/mecab/dic/ipadic/Conjunction.csv	•••	171	reading				
/usr/share/mecab/dic/ipadic/Adverb.csv		3032	reading				
/usr/share/mecab/dic/ipadic/Suffix.csv	•••	1393	reading				
/usr/share/mecab/dic/ipadic/Noun.name.csv	•••	34202	reading				
/usr/share/mecab/dic/ipadic/Postp-col.csv		91	reading				
/usr/share/mecab/dic/ipadic/Noun.number.csv	•••	42	reading				
/usr/share/mecab/dic/ipadic/Auxil.csv	•••	199	reading				
/usr/share/mecab/dic/ipadic/Noun.place.csv	•••	72999	reading				
/usr/share/mecab/dic/ipadic/Filler.csv	•••	19	reading				
/usr/share/mecab/dic/ipadic/Noun.proper.csv	•••	27328	reading				
/usr/share/mecab/dic/ipadic/Others.csv 2 reading /usr/share/mecab/dic/ipadic/Noun.nai.csv							
42 reading /usr/share/mecab/di	ic/ipadic/Prefix	.csv 2	reading				
/usr/share/mecab/dic/ipadic/Noun.org.csv	•••	16668	reading				
/usr/share/mecab/dic/ipadic/Noun.csv	•••	60477	reading				
/usr/share/mecab/dic/ipadic/Symbol.csv 208 reading /usr/share/mecab/dic/ipadic/Postp.csv							
146 reading /usr/share/mecab/dic/ip	adic/Noun.adv	erbal.csv	795 reading				
/usr/share/mecab/dic/ipadic/Adnominal.csv		135	reading				
/usr/share/mecab/dic/ipadic/Interjection.csv		252	reading				
/usr/share/mecab/dic/ipadic/Noun.demonst.csv		120	reading				
/usr/share/mecab/dic/ipadic/Adj.csv 27210 reading /usr/share/mecab/dic/ipadic/Verb.csv							
130750 reading /usr/share/mecab/dic/ipa	adic/Noun.verb	al.csv 12	2146 reading				
/usr/share/mecab/dic/ipadic/Noun.adjv.csv .	3328 er	nitting double	-array: 100%				
#####################################							

done!

update-alternatives: using /var/lib/mecab/dic/ipadic-utf8 to provide /var/lib/mecab/dic/debian (mecab-dictionary) in auto mode Setting up mysql-community-client (8.0.43-1ubuntu22.04) ... Setting up mysql-client (8.0.43-1ubuntu22.04) ... Setting up mysql-community-server (8.0.43-1ubuntu22.04) ... update-alternatives: using /etc/mysql/mysql.cnf to provide /etc/mysql/my.cnf (my.cnf) in auto mode Created symlink /etc/systemd/system/multi-user.target.wants/mysql.service → /lib/systemd/system/mysql.service. Setting up mysql-server (8.0.43-1ubuntu22.04) ... Processing triggers for man-db (2.10.2-1) ... Processing triggers for libc-bin (2.35-0ubuntu3.10) ...

user@-:\$ mysql --version mysql Ver 8.0.43 for Linux on x86_64 (MySQL Community Server - GPL)

user@-:\$ sudo service mysql status

mysql: unrecognized service

user@-:\$ sudo mysqld safe --skip-grant-tables &

[1] 4010

user@-:~\\$ 2025-08-30T05:20:49.520260Z mysqld safe Logging to '/var/log/mysql/error.log'.

2025-08-30T05:20:49.585818Z mysqld_safe Starting mysqld daemon with databases from /var/lib/mysql sudo mysql -u root -p Enter password: Welcome to the MySQL monitor. Commands end with ; or \g. Your MySQL connection id is 7 Server version: 8.0.43 MySQL Community Server - GPL

Copyright (c) 2000, 2025, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its 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> CREATE DATABASE Друзья человека; Query OK, 1 row affected (0.01 sec)

mysql> USE Друзья_человека; Database changed mysql> CREATE TABLE Животные (- > id INT PRIMARY KEY AUTO_INCREMENT, -> name VARCHAR(100) NOT NULL, -> birth_date DATE NOT NULL, -> commands TEXT ->); Query OK, 0 rows affected (0.04 sec)

mysql> CREATE TABLE Домашние_животные (id IN -> id INT PRIMARY KEY AUTO_INCREMENT, -> animal_id INT, -> type ENUM('Собака', 'Кошка', 'Хомяк'), ->

FOREIGN KEY (animal_id) REFERENCES Животные(id) ON DELETE CASCADE ->); Query OK, 0 rows affected (0.06 sec)

mysql> CREATE TABLE Вьючные_животные (-> id INT PRIMARY KEY AUTO_INCREMENT, -> animal_id INT, -> type ENUM('Лошадь', 'Верблюд', 'Осел'), -> FOREIGN KEY (animal_id) REFERENCES Животные(id) ON DELETE CASCADE ->); Query OK, 0 rows affected (0.04 sec)

mysql> INSERT INTO Животные (name, birth_date, commands) VALUES -> ('Бобик', '2020-05-15', 'Сидеть, Лежать, Голос'), -> ('Мурка', '2021-02-20', 'Кушать, Спать'), -> ('Хома', '2022-01-10', 'Бегать в колесе'), -> ('Буцефал', '2019-03-25', 'Бегать, Прыгать'), -> ('Саид', '2018-07-12', 'Переносить грузы'), -> 2020-11-('Иа', '2020-11-05', 'Тащить воз'), -> ('Шарик', '2021-08-15', 'Охранять, Фас'), -> ('Барсик', '2022-03-10', 'Ловить мышей'), -> ('Гиза', '2020-12-01', 'Бегать, Прятаться'); Query ОК, 9 rows affected (0.03 sec) Records: 9 Duplicates: 0 Warnings: 0

mysql> INSERT INTO Домашние_животные (animal_id, type) VALUES -> (1, 'Собака'), (2, 'Кошка'), (3, 'Хомяк'), (7, 'Собака'), (8, 'Кошка'), (9, 'Хомяк'); Query OK, 6 rows affected (0.01 sec) Records: 6 Duplicates: 0 Warnings: 0

mysql> INSERT INTO Вьючные_животные (animal_id, type) VALUES -> (4, 'Лошадь'), (5, 'Верблюд'), (6, 'Осел'); Query OK, 3 rows affected (0.01 sec) Records: 3 Duplicates: 0 Warnings: 0

mysql> DELETE FROM Вьючные_животные WHERE type = 'Верблюд'; Query OK, 1 row affected (0.01 sec)

mysql> CREATE TABLE Лошади_и_ослы AS -> SELECT a.*, v.type -> FROM Животные a -> JOIN Вьючные_животные v ON a.id = v.animal_id -> WHERE v.type IN ('Лошадь', 'Осел'); Query OK, 2 rows affected (0.05 sec) Records: 2 Duplicates: 0 Warnings: 0

mysql> CREATE TABLE молодые_животные AS -> ELECSELECT *, -> TIMESTAMPDIFF(MONTH, birth_date, CURDATE()) AS age_months -> FROM Животные -> WHERE TIMESTAMPDIFF(YEAR, birth_date, CURDATE()) BETWEEN 1 AND 3; Query OK, 2 rows affected (0.05 sec) Records: 2 Duplicates: 0 Warnings: 0

mysql> CREATE TABLE все_животные AS -> SELECT a., 'Домашнее' as category, d.type as animal_type -> FROM Животные a -> ДомашнJOIN Домашние_животные d ON a.id = d.animal_id -> UNION ALL -> SELECT a., 'Вьючное' as category, v.type as animal_type -> FROM Животные a -> JOIN Вьючные_животные v ON a.id = v.animal_id; Query OK, 8 rows affected (0.05 sec) Records: 8 Duplicates: 0 Warnings: 0

mysql>	SHOW	TABLES;	++
Tables_in_,	Друзья_челове	ека +	+ Вьючные_животные
Домашние	_животные	Животные	Лошади_и_ослы все_животные
молодые_х	кивотные +		+ 6 rows in set (0.01 sec)

mysql> SELECT * FROM Животные;

```
FRO+----+ М Дома id |
   name | birth date | commands |
+----+ | 1 | Бобик | 2020-05-15 |
Сидеть, Лежать, Голос | 2 | Мурка | 2021-02-20 | Кушать, Спать | 3 | Хома | 2022-01-10 |
Бегать в колесе | | 4 | Буцефал | 2019-03-25 | Бегать, Прыгать | | 5 | Саид | 2018-07-12 |
Переносить грузы | 6 | Иа | 2020-11-05 | Тащить воз | 7 | Шарик | 2021-08-15 | Охранять,
Фас | 8 | Барсик | 2022-03-10 | Ловить мышей | 9 | Гиза | 2020-12-01 | Бегать, Прятаться
| +----+ 9 rows in set (0.00 sec)
(0.00 \text{ sec})
----+ 2 rows in set (0.00 sec)
-----+ | id | name | birth | date | commands | age | months | +----+
-----+ 3 | Xома | 2022-01-10 | Бегать в
-----+ 2 rows in set (0.00 sec)
-----+ | id | name | birth | date | commands | category |
| Мурка | 2021-02-20 | Кушать, Спать | Домашнее | Кошка | | 3 | Хома | 2022-01-10 | Бегать
в колесе | Домашнее | Хомяк | | 7 | Шарик | 2021-08-15 | Охранять, Фас | Домашнее | Собака
| | 8 | Барсик | 2022-03-10 | Ловить мышей | Домашнее | Кошка | | 9 | Гиза | 2020-12-01 |
Бегать, Прятаться | Домашнее | Хомяк | | 4 | Буцефал | 2019-03-25 | Бегать, Прыгать |
Вьючное | Лошадь | | 6 | Иа | 2020-11-05 | Тащить воз | Вьючное | Осел | +----+-------
--+-----+ 8 rows in set
(0.00 \text{ sec})
mysql> EXIT; Bye
user@-:~\$ cat > create database.sql << 'EOF'
-- Bce SQL команды из пунктов 2-7 OF> EOF
```