```
yuliachar@Virtual-linux:~$ mkdir mydb
yuliachar@Virtual-linux:~$ ls -l
итого 100
-rw-rw-r-- 1 yuliachar yuliachar  157 апр 23 20:50  all.txt
-rw-rw-r-- 1 yuliachar yuliachar   53 апр 23 20:48  err.txt
-rwxrwxr-x 1 yuliachar yuliachar   73 апр 23 23:53  even
-rw-r--r-- 1 root      root       421 апр 12 21:11  iptables.rules
-rw-rw-r-- 1 yuliachar yuliachar  227 апр 23 20:45  ls_txt
drwxrwxr-x 3 yuliachar yuliachar 4096 апр 23 12:41  lws
drwxrwxr-x 2 yuliachar yuliachar 4096 июл 16 23:53  mydb
drwxrwxr-x 6 yuliachar yuliachar 4096 июл 16 16:06  newroot
drwxrwx--- 1 root      vboxsf    4096 июл 16 22:19  shared
drwx------ 4 yuliachar yuliachar 4096 мар 30 20:19  snap
-rw-r--r-- 1 yuliachar yuliachar  104 апр 23 20:48  std.txt
drwxrwsrwx 2 testuser  www-data  4096 апр  6 22:36  test3
-rw-rw-r-- 1 yuliachar yuliachar   12 июл 16 23:43  test_GB.txt
lrwxrwxrwx 1 yuliachar yuliachar    5 апр  2 22:51  test_ln_dir -> test3
-rwxrwxr-x 1 yuliachar yuliachar  232 апр 23 22:40  testscript
-rw-rw-r-- 1 yuliachar yuliachar   17 апр 10 23:42  test.txt
-rw-rw-r-- 1 yuliachar yuliachar    0 апр 11 00:00  test.txt.bak
-rwxrwxr-x 1 yuliachar yuliachar   78 апр 23 23:36  user_com
-rwxrwxr-x 1 yuliachar yuliachar   72 апр 24 21:12  while_100
drwxr-xr-x 2 yuliachar yuliachar 4096 мар 28 21:17  Видео
drwxr-xr-x 2 yuliachar yuliachar 4096 мар 28 21:17  Документы
drwxr-xr-x 2 yuliachar yuliachar 4096 мар 28 21:17  Загрузки
drwxr-xr-x 2 yuliachar yuliachar 4096 мар 28 21:17  Изображения
drwxr-xr-x 2 yuliachar yuliachar 4096 мар 28 21:17  Музыка
drwxr-xr-x 2 yuliachar yuliachar 4096 мар 28 21:17  Общедоступные
drwxr-xr-x 2 yuliachar yuliachar 4096 мар 30 21:26  'Рабочий стол'
drwxr-xr-x 2 yuliachar yuliachar 4096 мар 28 21:17  Шаблоны
yuliachar@Virtual-linux:~$ docker run --name mariadb -e MARIADB_ROOT_PASSWORD=test123 -v ./mydb:/var/lib/mysql -d mariadb:10.10.2
Unable to find image 'mariadb:10.10.2' locally
10.10.2: Pulling from library/mariadb
10ac4908093d: Pull complete
44779101e748: Pull complete
a721db3e3f3d: Pull complete
1850a929b84a: Pull complete
397a918c7da3: Pull complete
806be17e856d: Pull complete
634de6c90876: Pull complete
cd00854cfb1a: Pull complete
Digest: sha256:bfc25a68e113de43d0d112f5a7126df8e278579c3224e3923359e1c1d8d5ce6e
Status: Downloaded newer image for mariadb:10.10.2
ef59577aaca683f5d0da669f5525a9c5fa131058e67e3d13fdae26ea280c2769
yuliachar@Virtual-linux:~$ dockeer ps
```

```
    Command  docker   from deb podman-docker (3.4.44dsi-iubuntui.22.04.1)
See 'snap info <snapname>' for additional versions.
yuliachar@Virtual-linux:~$ docker ps
CONTAINER ID   IMAGE           COMMAND              CREATED         STATUS          PORTS        NAMES
ef59577aaca6   mariadb:10.10.2  "docker-entrypoint.s…"  20 seconds ago   Up 17 seconds   3306/tcp     mariadb
yuliachar@Virtual-linux:~$ docker exec -it mariadb
"docker exec" requires at least 2 arguments.
See 'docker exec --help'.

Usage:  docker exec [OPTIONS] CONTAINER COMMAND [ARG...]

Execute a command in a running container
yuliachar@Virtual-linux:~$ docker exec -it mariadb bash
root@ef59577aaca6:/# ls -l
total 56
lrwxrwxrwx   1 root root     7 Jan 26 02:03 bin -> usr/bin
drwxr-xr-x   2 root root  4096 Apr 18  2022 boot
drwxr-xr-x   5 root root   340 Jul 16 21:00 dev
drwxr-xr-x   2 root root  4096 Jan 31 18:42 docker-entrypoint-initdb.d
drwxr-xr-x   1 root root  4096 Jul 16 21:00 etc
drwxr-xr-x   2 root root  4096 Apr 18  2022 home
lrwxrwxrwx   1 root root     7 Jan 26 02:03 lib -> usr/lib
lrwxrwxrwx   1 root root     9 Jan 26 02:03 lib32 -> usr/lib32
lrwxrwxrwx   1 root root     9 Jan 26 02:03 lib64 -> usr/lib64
lrwxrwxrwx   1 root root    10 Jan 26 02:03 libx32 -> usr/libx32
drwxr-xr-x   2 root root  4096 Jan 26 02:03 media
drwxr-xr-x   2 root root  4096 Jan 26 02:03 mnt
drwxr-xr-x   2 root root  4096 Jan 26 02:03 opt
dr-xr-xr-x 337 root root     0 Jul 16 21:00 proc
drwx------   1 root root  4096 Jan 31 18:42 root
drwxr-xr-x   1 root root  4096 Jan 31 18:43 run
lrwxrwxrwx   1 root root     8 Jan 26 02:03 sbin -> usr/sbin
drwxr-xr-x   2 root root  4096 Jan 26 02:03 srv
dr-xr-xr-x  13 root root     0 Jul 16 21:00 sys
drwxrwxrwt   1 root root  4096 Jul 16 21:00 tmp
drwxr-xr-x   1 root root  4096 Jan 26 02:03 usr
drwxr-xr-x   1 root root  4096 Jan 26 02:06 var
root@ef59577aaca6:/# mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 3
Server version: 10.10.2-MariaDB-1:10.10.2+maria~ubu2204 mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]> show databases;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| mysql              |
| performance_schema |
| sys                |
+--------------------+
4 rows in set (0.001 sec)

MariaDB [(none)]>
```
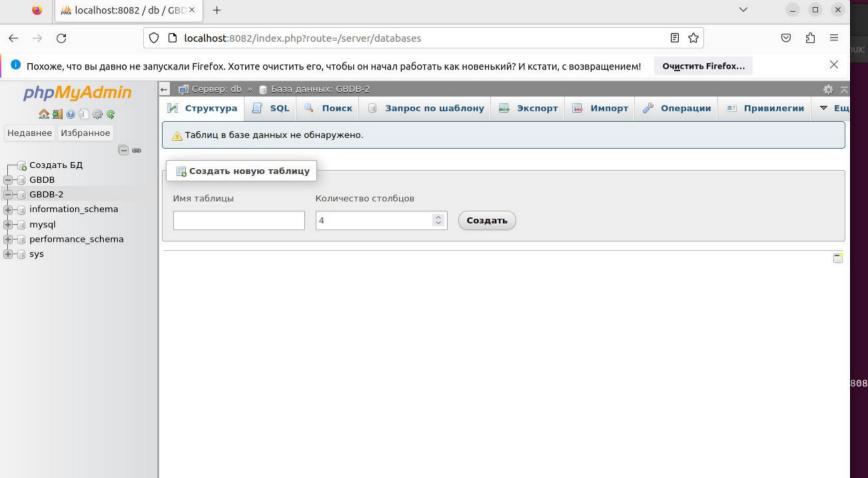
```
MariaDB [(none)]> CREATE DATABASE GBDB;
Query OK, 1 row affected (0.002 sec)

MariaDB [(none)]> show databases;
+--------------------+
| Database           |
+--------------------+
| GBDB               |
| information_schema |
| mysql              |
| performance_schema |
| sys                |
+--------------------+
5 rows in set (0.001 sec)

MariaDB [(none)]>
```

```
yuliachar@Virtual-linux:~$ ls -l mydb/
итого 139376
-rw-rw---- 1 vboxadd vboxsf  16842752 июл 17 00:00 aria_log.00000001
-rw-rw---- 1 vboxadd vboxsf        52 июл 17 00:00 aria_log_control
-rw-rw---- 1 vboxadd vboxsf         9 июл 17 00:00 ddl_recovery.log
drwx------ 2 vboxadd vboxsf      4096 июл 17 00:04 GBDB
-rw-rw---- 1 vboxadd vboxsf       868 июл 17 00:00 ib_buffer_pool
-rw-rw---- 1 vboxadd vboxsf  12582912 июл 17 00:00 ibdata1
-rw-rw---- 1 vboxadd vboxsf 100663296 июл 17 00:02 ib_logfile0
-rw-rw---- 1 vboxadd vboxsf  12582912 июл 17 00:00 ibtmp1
-rw-rw---- 1 vboxadd vboxsf         0 июл 17 00:00 multi-master.info
drwx------ 2 vboxadd vboxsf      4096 июл 17 00:00 mysql
-rw-r--r-- 1 vboxadd vboxsf        15 июл 17 00:00 mysql_upgrade_info
drwx------ 2 vboxadd vboxsf      4096 июл 17 00:00 performance_schema
drwx------ 2 vboxadd vboxsf     12288 июл 17 00:00 sys
yuliachar@Virtual-linux:~$
```

```
yuliachar@Virtual-linux:~$ docker run --name my-phpmyadmin -d --link mariadb:db -p 8082:80 phpmyadmin/phpmyadmin
Unable to find image 'phpmyadmin/phpmyadmin:latest' locally
latest: Pulling from phpmyadmin/phpmyadmin
f1f26f570256: Pull complete
ee0a4e40ccac: Pull complete
5ca9fb408faa: Pull complete
5baa808a48ff: Pull complete
6e8d74e4d8ee: Pull complete
fac8e70fcf67: Pull complete
b3b7906fb177: Pull complete
cb4935bbeb83: Pull complete
c9e00ef337e3: Pull complete
cfe495c8d695: Pull complete
dcc3fd107f0c: Pull complete
fe3c587d1f07: Pull complete
677f27d94442: Pull complete
4d778a8cb653: Pull complete
5f0f7b557ecd: Pull complete
6ad259d60f7c: Pull complete
41acd705cbc4: Pull complete
912204d5a7e6: Pull complete
Digest: sha256:ed87921184b59f7d8fc85c6a5f041c22758a4d4419c0ee3bac38eb7e133eaed3
Status: Downloaded newer image for phpmyadmin/phpmyadmin:latest
18c904bc466279356be6de69f0e8826c2bb6de58b06b36c3263ed0c06e93d9ed
yuliachar@Virtual-linux:~$ docker ps
CONTAINER ID   IMAGE                    COMMAND                  CREATED          STATUS          PORTS                                          NAMES
18c904bc4662   phpmyadmin/phpmyadmin    "/docker-entrypoint.…"   16 seconds ago   Up 14 seconds   0.0.0.0:8082->80/tcp, :::8082->80/tcp          my-phpmyadmin
ef59577aaca6   mariadb:10.10.2          "docker-entrypoint.s…"   16 minutes ago   Up 16 minutes   3306/tcp                                       mariadb
yuliachar@Virtual-linux:~$
```

localhost:8082/index.php?route=/server/databases

phpMyAdmin

Недавнее | Избранное

- Создать БД
- GBDB
- GBDB-2
- information_schema
- mysql
- performance_schema
- sys

Сервер: db » База данных: GBDB-2

Структура | SQL | Поиск | Запрос по шаблону | Экспорт | Импорт | Операции | Привилегии | ▼ Ещ

⚠ Таблиц в базе данных не обнаружено.

📝 Создать новую таблицу

Имя таблицы

Количество столбцов

4

Создать

```
yuliachar@Virtual-linux:~$ ls -l ./mydb/
итого 139380
-rw-rw---- 1 vboxadd vboxsf  16842752 июл 17 00:00 aria_log.00000001
-rw-rw---- 1 vboxadd vboxsf        52 июл 17 00:00 aria_log_control
-rw-rw---- 1 vboxadd vboxsf         9 июл 17 00:00 ddl_recovery.log
drwx------ 2 vboxadd vboxsf      4096 июл 17 00:04 GBDB
drwx------ 2 vboxadd vboxsf      4096 июл 17 00:19 GBDB@002d2
-rw-rw---- 1 vboxadd vboxsf       868 июл 17 00:00 ib_buffer_pool
-rw-rw---- 1 vboxadd vboxsf  12582912 июл 17 00:00 ibdata1
-rw-rw---- 1 vboxadd vboxsf 100663296 июл 17 00:02 ib_logfile0
-rw-rw---- 1 vboxadd vboxsf  12582912 июл 17 00:00 ibtmp1
-rw-rw---- 1 vboxadd vboxsf         0 июл 17 00:00 multi-master.info
drwx------ 2 vboxadd vboxsf      4096 июл 17 00:00 mysql
-rw-r--r-- 1 vboxadd vboxsf        15 июл 17 00:00 mysql_upgrade_info
drwx------ 2 vboxadd vboxsf      4096 июл 17 00:00 performance_schema
drwx------ 2 vboxadd vboxsf     12288 июл 17 00:00 sys
yuliachar@Virtual-linux:~$
```

```
yuliachar@Virtual-linux:~$ mkdir mydb-2
yuliachar@Virtual-linux:~$ ls -l
итого 104
-rw-rw-r-- 1 yuliachar yuliachar  157 апр 23 20:50  all.txt
-rw-rw-r-- 1 yuliachar yuliachar   53 апр 23 20:48  err.txt
-rwxrwxr-x 1 yuliachar yuliachar   73 апр 23 23:53  even
-rw-r--r-- 1 root      root       421 апр 12 21:11  iptables.rules
-rw-rw-r-- 1 yuliachar yuliachar  227 апр 23 20:45  ls_txt
drwxrwxr-x 3 yuliachar yuliachar 4096 апр 23 12:41  lws
drwxrwxr-x 7 vboxadd   vboxsf    4096 июл 17 00:19  mydb
drwxrwxr-x 2 yuliachar yuliachar 4096 июл 17 00:27  mydb-2
drwxrwxr-x 6 yuliachar yuliachar 4096 июл 16 16:06  newroot
drwxrwx--- 1 root      vboxsf    4096 июл 16 22:19  shared
drwx------ 4 yuliachar yuliachar 4096 мар 30 20:19  snap
-rw-rw-r-- 1 yuliachar yuliachar  104 апр 23 20:48  std.txt
drwxrwsrwx 2 testuser  www-data  4096 апр  6 22:36  test3
-rw-rw-r-- 1 yuliachar yuliachar   12 июл 16 23:43  test_GB.txt
lrwxrwxrwx 1 yuliachar yuliachar    5 апр  2 22:51  test_ln_dir -> test3
-rwxrwxr-x 1 yuliachar yuliachar  232 апр 23 22:40  testscript
-rw-rw-r-- 1 yuliachar yuliachar   17 апр 10 23:42  test.txt
-rw-rw-r-- 1 yuliachar yuliachar    0 апр 11 00:00  test.txt.bak
-rwxrwxr-x 1 yuliachar yuliachar   78 апр 23 23:36  user_com
-rwxrwxr-x 1 yuliachar yuliachar   72 апр 24 21:12  while_100
drwxr-xr-x 2 yuliachar yuliachar 4096 мар 28 21:17  Видео
drwxr-xr-x 2 yuliachar yuliachar 4096 мар 28 21:17  Документы
drwxr-xr-x 2 yuliachar yuliachar 4096 мар 28 21:17  Загрузки
drwxr-xr-x 2 yuliachar yuliachar 4096 мар 28 21:17  Изображения
drwxr-xr-x 2 yuliachar yuliachar 4096 мар 28 21:17  Музыка
drwxr-xr-x 2 yuliachar yuliachar 4096 мар 28 21:17  Общедоступные
drwxr-xr-x 2 yuliachar yuliachar 4096 мар 30 21:26 'Рабочий стол'
drwxr-xr-x 2 yuliachar yuliachar 4096 мар 28 21:17  Шаблоны
yuliachar@Virtual-linux:~$ docker run --name mypostgres -e POSTGRES_PASSWORD=test123 -v ./mydb-2:/var/lib/mysql -d postgres
Unable to find image 'postgres:latest' locally
latest: Pulling from library/postgres
faef57eae888: Pull complete
a33c10a72186: Pull complete
d662a43776d2: Pull complete
a3ba86413420: Pull complete
a627f37e9916: Pull complete
424bade69494: Pull complete
dd8d4fcd466b: Pull complete
03d0efeea592: Pull complete
4f27e1518a67: Pull complete
0c8ac8b8eb90: Pull complete
c08e79653ad2: Pull complete
d5724e8c22af: Pull complete
3db4aa0d2013: Pull complete
Digest: sha256:362a63cb1e864195ea2bc29b5066bdb222bc9a4461bfaff2418f63a06e56bce0
Status: Downloaded newer image for postgres:latest
ecc1062d4b7e4e8e7cfdcd7610e08ccc193134486fac4e2c522f92f8c62f47a2
yuliachar@Virtual-linux:~$ docker stop ^C
yuliachar@Virtual-linux:~$ docker stop docker mypostgres
mypostgres
Error response from daemon: No such container: docker
yuliachar@Virtual-linux:~$ docker stop mypostgres
mypostgres
yuliachar@Virtual-linux:~$ docker rm mypostgres
mypostgres
yuliachar@Virtual-linux:~$ docker run --name mypostgres -e POSTGRES_PASSWORD=test123 -v ./mydb-2:/var/lib/postgresql -d postgres
036cc830d4be8e720ae7a4c7ba6505781fbe1f41d60e795075af2aa0481b351f
```

```
yuliachar@Virtual-linux:~$ docker ps -a
CONTAINER ID   IMAGE                    COMMAND                  CREATED             STATUS                     PORTS                                          NAME
S
036cc830d4be   postgres                 "docker-entrypoint.s…"   8 minutes ago       Up 8 minutes               5432/tcp                                       mypo
stgres
18c904bc4662   phpmyadmin/phpmyadmin    "/docker-entrypoint.…"   23 minutes ago      Up 23 minutes              0.0.0.0:8082->80/tcp, :::8082->80/tcp          my-p
hpmyadmin
ef59577aaca6   mariadb:10.10.2          "docker-entrypoint.s…"   39 minutes ago      Up 39 minutes              3306/tcp                                       mari
adb
460cac804eed   ubuntu:22.10             "/bin/bash"              54 minutes ago      Exited (0) 46 minutes ago                                                 nift
y_lalande
452f455b8816   ubuntu:22.10             "/bin/bash"              About an hour ago   Exited (0) About an hour ago                                              gb-t
est-new-1
75f8e921d004   5a81c4b8502e             "sleep 15"               2 hours ago         Exited (0) 2 hours ago                                                    peda
ntic_swanson
079c00bdcf35   5a81c4b8502e             "sleep 1200"             2 hours ago         Exited (137) 2 hours ago                                                  mode
st_mestorf
302b02e39b58   5a81c4b8502e             "/bin/bash"              2 hours ago         Exited (0) 2 hours ago                                                    shar
p_wozniak
yuliachar@Virtual-linux:~$ docker run --name adminer --link mypostgres:db -p 8085:90 adminer
[Sun Jul 16 21:39:59 2023] PHP 7.4.33 Development Server (http://[::]:8080) started
^Cyuliachar@Virtual-linux:~$
yuliachar@Virtual-linux:~$ docker ps -a
CONTAINER ID   IMAGE                    COMMAND                  CREATED             STATUS                     PORTS                                          NAME
S
944a80f90b65   adminer                  "entrypoint.sh php -…"   34 seconds ago      Exited (0) 4 seconds ago                                                  admi
ner
036cc830d4be   postgres                 "docker-entrypoint.s…"   9 minutes ago       Up 9 minutes               5432/tcp                                       mypo
stgres
18c904bc4662   phpmyadmin/phpmyadmin    "/docker-entrypoint.…"   24 minutes ago      Up 24 minutes              0.0.0.0:8082->80/tcp, :::8082->80/tcp          my-p
hpmyadmin
ef59577aaca6   mariadb:10.10.2          "docker-entrypoint.s…"   40 minutes ago      Up 40 minutes              3306/tcp                                       mari
adb
460cac804eed   ubuntu:22.10             "/bin/bash"              55 minutes ago      Exited (0) 47 minutes ago                                                 nift
y_lalande
452f455b8816   ubuntu:22.10             "/bin/bash"              About an hour ago   Exited (0) About an hour ago                                              gb-t
est-new-1
75f8e921d004   5a81c4b8502e             "sleep 15"               2 hours ago         Exited (0) 2 hours ago                                                    peda
ntic_swanson
079c00bdcf35   5a81c4b8502e             "sleep 1200"             2 hours ago         Exited (137) 2 hours ago                                                  mode
st_mestorf
302b02e39b58   5a81c4b8502e             "/bin/bash"              3 hours ago         Exited (0) 3 hours ago                                                    shar
p_wozniak
yuliachar@Virtual-linux:~$ docker ps
CONTAINER ID   IMAGE                    COMMAND                  CREATED             STATUS          PORTS                                          NAMES
036cc830d4be   postgres                 "docker-entrypoint.s…"   10 minutes ago      Up 10 minutes   5432/tcp                                       mypostgres
18c904bc4662   phpmyadmin/phpmyadmin    "/docker-entrypoint.…"   24 minutes ago      Up 24 minutes   0.0.0.0:8082->80/tcp, :::8082->80/tcp          my-phpmyadmin
ef59577aaca6   mariadb:10.10.2          "docker-entrypoint.s…"   40 minutes ago      Up 40 minutes   3306/tcp                                       mariadb
yuliachar@Virtual-linux:~$ docker rm adminer
adminer
yuliachar@Virtual-linux:~$ docker run --name adminer -d --link mypostgres:db -p 8085:90 adminer
6c96ea12f2e1aeea4f3b876714a4e6d33f0dce53631c426b506b49623b4d7f4d
yuliachar@Virtual-linux:~$ docker ps
CONTAINER ID   IMAGE                    COMMAND                  CREATED             STATUS          PORTS                                             NAMES
6c96ea12f2e1   adminer                  "entrypoint.sh php -…"   7 seconds ago       Up 6 seconds    8080/tcp, 0.0.0.0:8085->90/tcp, :::8085->90/tcp   adminer
036cc830d4be   postgres                 "docker-entrypoint.s…"   10 minutes ago      Up 10 minutes   5432/tcp                                          mypostgres
18c904bc4662   phpmyadmin/phpmyadmin    "/docker-entrypoint.…"   25 minutes ago      Up 25 minutes   0.0.0.0:8082->80/tcp, :::8082->80/tcp             my-phpmyadmi
n
ef59577aaca6   mariadb:10.10.2          "docker-entrypoint.s…"   41 minutes ago      Up 41 minutes   3306/tcp                                          mariadb
yuliachar@Virtual-linux:~$
```