

1. Установите СУБД MySQL. Создайте в домашней директории файл .my.cnf, задав в нем логин и пароль, который указывался при установке.

```
Vaceslavs-MacBook-Pro:~ vaceslavroznov$ ls -la | grep .my.cnf
-rw-r--r--  1 vaceslavroznov  staff   38  9 авг 16:34 .my.cnf
Vaceslavs-MacBook-Pro:~ vaceslavroznov$
```

2. Создайте базу данных example, разместите в ней таблицу users, состоящую из двух столбцов, числового id и строкового name.

```
[mysql> CREATE DATABASE example;
Query OK, 1 row affected (0,00 sec)
```

```
[mysql> show databases;
+-----+
| Database |
+-----+
| example |
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+
5 rows in set (0,00 sec)
```

```
[mysql> use example;
Database changed
```

```
[mysql> create table user (id int not null, user char(150) not null);
Query OK, 0 rows affected (0,01 sec)
```

```
[mysql> show tables;
+-----+
| Tables_in_example |
+-----+
| user |
+-----+
1 row in set (0,00 sec)
```

3. Создайте дамп базы данных example из предыдущего задания, разверните содержимое дампа в новую базу данных sample.

```
-----
Vaceslavs-MacBook-Pro:~ vaceslavroznov$ sudo /usr/local/mysql/bin/mysqldump example > ~/example.sql
Vaceslavs-MacBook-Pro:~ vaceslavroznov$ vim ~/example.sql
Vaceslavs-MacBook-Pro:~ vaceslavroznov$ clear
```

```
[mysql> create database sample;  
Query OK, 1 row affected (0,01 sec)
```

```
mysql>  
[10]+  Stopped /usr/local/mysql/bin/mysql  
[Vaceslavs-MacBook-Pro:~ vaceslavroznov$ mysql sample < ~/example.sql  
[Vaceslavs-MacBook-Pro:~ vaceslavroznov$ mysql  
Welcome to the MySQL monitor.  Commands end with ; or \g.  
Your MySQL connection id is 26  
Server version: 8.0.17 MySQL Community Server - GPL
```

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

```
[mysql> show databases;  
+-----+  
| Database |  
+-----+  
| example |  
| information_schema |  
| mysql |  
| performance_schema |  
| sample |  
| sys |  
+-----+  
6 rows in set (0,00 sec)
```

```
[mysql> use sample;  
Reading table information for completion of table and column names  
You can turn off this feature to get a quicker startup with -A  
  
Database changed  
mysql> █
```

```
[mysql> use sample  
Reading table information for completion of table and column names  
You can turn off this feature to get a quicker startup with -A  
  
Database changed  
[mysql> show tables;  
+-----+  
| Tables_in_sample |  
+-----+  
| user |  
+-----+  
1 row in set (0,00 sec)
```

4. (по желанию) Ознакомьтесь более подробно с документацией утилиты mysqldump. Создайте дамп единственной таблицы help_keyword базы данных mysql. Причем добейтесь того, чтобы дамп содержал только первые 100 строк таблицы.

```
Vaceslavs-MacBook-Pro:~ vaceslavroznov$ sudo /usr/local/mysql/bin/mysqldump --opt --where="1 ORDER BY help_key
word_id limit 100" mysql help_keyword > ~/example.sql
[Vaceslavs-MacBook-Pro:~ vaceslavroznov$ vim ~/example.sql

-- MySQL dump 10.13  Distrib 8.0.17, for macos10.14 (x86_64)
--
-- Host: localhost    Database: mysql
--
-- Server version      8.0.17

/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;

--
-- Dumping data for table `help_keyword`
--
-- WHERE: 1 ORDER BY help_keyword_id limit 100

LOCK TABLES `help_keyword` WRITE;
/*!40000 ALTER TABLE `help_keyword` DISABLE KEYS */;
INSERT INTO `help_keyword` VALUES (0, 'HELP_DATE'), (1, 'HELP_VERSION'), (2, 'DEFAULT'), (3, 'SERIAL'), (4, 'VALUE'), (5
, 'HELP'), (6, 'FALSE'), (7, 'TRUE'), (8, 'BOOL'), (9, 'BOOLEAN'), (10, 'INT1'), (11, 'UNSIGNED'), (12, 'ZEROFILL'), (13, 'INT2
'), (14, 'INT3'), (15, 'MIDDLEINT'), (16, 'INT4'), (17, 'INTEGER'), (18, 'INT8'), (19, 'DEC'), (20, 'FIXED'), (21, 'NUMERIC'),
(22, 'DECIMAL'), (23, 'FLOAT4'), (24, 'FLOAT8'), (25, 'PRECISION'), (26, 'REAL'), (27, 'DATE'), (28, 'TIMESTAMP'), (29, 'TIME
'), (30, 'CHARACTER'), (31, 'NATIONAL'), (32, 'NCHAR'), (33, 'BYTE'), (34, 'CHAR'), (35, 'NVARCHAR'), (36, 'VARCHARACTER'), (
37, 'VARYING'), (38, 'LONG'), (39, 'LONGBINARY'), (40, 'ADD'), (41, 'ALTER'), (42, 'CREATE'), (43, 'INDEX'), (44, 'KEY'), (45,
'TABLE'), (46, '<>'), (47, 'IS'), (48, 'NOT'), (49, 'NULL'), (50, 'AND'), (51, 'BETWEEN'), (52, 'OR'), (53, 'CASE'), (54, 'ELSE'
), (55, 'END'), (56, 'THEN'), (57, 'WHEN'), (58, 'IF'), (59, 'INSERT'), (60, 'LIKE'), (61, 'SOUNDS'), (62, 'BOTH'), (63, 'FROM'
), (64, 'LEADING'), (65, 'TRAILING'), (66, 'ESCAPE'), (67, 'RLIKE'), (68, 'REGEXP_INSTR'), (69, 'REGEXP_LIKE'), (70, 'REGEXP_
REPLACE'), (71, 'REGEXP_SUBSTR'), (72, 'BIGINT'), (73, 'FLOOR'), (74, 'MOD'), (75, 'CEIL'), (76, 'CEILING'), (77, 'POW'), (78
, 'POWER'), (79, 'DATE_ADD'), (80, 'DATE_SUB'), (81, 'DAY'), (82, 'DAY_HOUR'), (83, 'DAY_MINUTE'), (84, 'DAY_SECOND'), (85, '
HOUR'), (86, 'HOUR_MINUTE'), (87, 'HOUR_SECOND'), (88, 'INTERVAL'), (89, 'MINUTE'), (90, 'MINUTE_SECOND'), (91, 'MONTH'), (
92, 'SECOND'), (93, 'YEAR'), (94, 'YEAR_MONTH'), (95, 'AGAINST'), (96, 'EXPANSION'), (97, 'IN'), (98, 'MATCH'), (99, 'MODE');
/*!40000 ALTER TABLE `help_keyword` ENABLE KEYS */;
UNLOCK TABLES;
/*!40103 SET TIME_ZONE=@OLD_TIME_ZONE */;
```