

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

```
dsk@dsk-db:~$ ls -la
total 52
drwxr-xr-x 6 dsk dsk 4096 Jan 20 11:51 .
drwxr-xr-x 3 root root 4096 Jan 13 07:31 ..
-rw----- 1 dsk dsk 609 Jan 20 03:41 .bash_history
-rw-r--r-- 1 dsk dsk 220 Apr 4 2018 .bash_logout
-rw-r--r-- 1 dsk dsk 3771 Apr 4 2018 .bashrc
drwx----- 3 dsk dsk 4096 Jan 14 04:20 .cache
drwx----- 3 dsk dsk 4096 Jan 14 04:20 .config
-rw-rw-r-- 1 dsk dsk 1942 Jan 20 11:40 exampledb.sql
drwx----- 3 dsk dsk 4096 Jan 13 07:37 .gnupg
drwx----- 3 dsk dsk 4096 Jan 14 04:20 .local
-rw-rw-r-- 1 dsk dsk 39 Jan 20 11:50 .my.cnf
-rw----- 1 dsk dsk 18 Jan 20 11:51 .mysql_history
-rw-r--r-- 1 dsk dsk 807 Apr 4 2018 .profile
-rw-r--r-- 1 dsk dsk 0 Jan 14 03:20 .sudo_as_admin_successful
```

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

```
CREATE DATABASE IF NOT EXISTS exampledb;
USE exampledb;

CREATE TABLE IF NOT EXISTS users (
    id INT AUTO_INCREMENT NOT NULL PRIMARY KEY,
    name VARCHAR(100) UNIQUE
)
```

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

```
dsk@dsk-db:~$ mysqldump exampledb > exampledb.sql
Enter password:
dsk@dsk-db:~$ ls -l
total 4
-rw-rw-r-- 1 dsk dsk 1942 Jan 20 11:40 exampledb.sql
dsk@dsk-db:~$ mysql sampledb < exampledb.sql
Enter password:
dsk@dsk-db:~$
```

```
-- MySQL dump 10.13 Distrib 5.7.28, for Linux (x86_64)
--
-- Host: localhost Database: exampledb
--
-- Server version 5.7.28-0ubuntu0.18.04.4

/*!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 */;
/*!40101 SET NAMES utf8 */;
/*!40103 SET @OLD_TIME_ZONE=@@TIME_ZONE */;
/*!40103 SET TIME_ZONE='+00:00' */;
/*!40014 SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0 */;
/*!40014 SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS, FOREIGN_KEY_CHECKS=0 */;
/*!40101 SET @OLD_SQL_MODE=@@SQL_MODE, SQL_MODE='NO_AUTO_VALUE_ON_ZERO' */;
/*!40111 SET @OLD_SQL_NOTES=@@SQL_NOTES, SQL_NOTES=0 */;
```

```
--
-- Table structure for table `users`
--

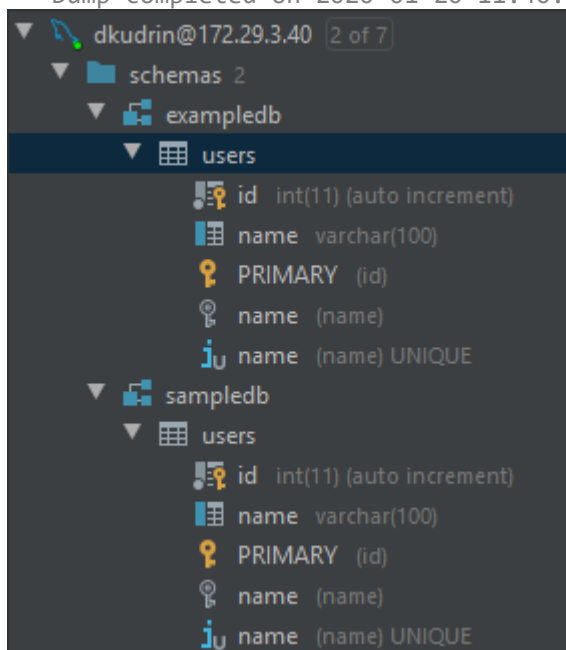
DROP TABLE IF EXISTS `users`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `users` (
  `id` int(11) NOT NULL AUTO_INCREMENT,
  `name` varchar(100) DEFAULT NULL,
  PRIMARY KEY (`id`),
  UNIQUE KEY `name` (`name`)
) ENGINE=InnoDB AUTO_INCREMENT=3 DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `users`
--

LOCK TABLES `users` WRITE;
/*!40000 ALTER TABLE `users` DISABLE KEYS */;
INSERT INTO `users` VALUES (1,'first'),(3,'second');
/*!40000 ALTER TABLE `users` ENABLE KEYS */;
UNLOCK TABLES;
/*!40103 SET TIME_ZONE=@OLD_TIME_ZONE */;

/*!40101 SET SQL_MODE=@OLD_SQL_MODE */;
/*!40014 SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS */;
/*!40014 SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS */;
/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
/*!40111 SET SQL_NOTES=@OLD_SQL_NOTES */;

-- Dump completed on 2020-01-20 11:40:13
```



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.

```
dsk@dsk-db:~$ mysqldump --where="true limit 100" mysql help_keyword > homework2-100rows_help_keyword.s
```

```
-- MySQL dump 10.13  Distrib 5.7.28, for Linux (x86_64)
--
-- Host: localhost    Database: mysql
--
-- Server version  5.7.28-0ubuntu0.18.04.4

/*!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 */;
/*!40101 SET NAMES utf8 */;
/*!40103 SET @OLD_TIME_ZONE=@@TIME_ZONE */;
/*!40103 SET TIME_ZONE='+00:00' */;
/*!40014 SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0 */;
/*!40014 SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS, FOREIGN_KEY_CHECKS=0 */;
/*!40101 SET @OLD_SQL_MODE=@@SQL_MODE, SQL_MODE='NO_AUTO_VALUE_ON_ZERO' */;
/*!40111 SET @OLD_SQL_NOTES=@@SQL_NOTES, SQL_NOTES=0 */;

--
-- Table structure for table `help_keyword`
--

DROP TABLE IF EXISTS `help_keyword`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `help_keyword` (
  `help_keyword_id` int(10) unsigned NOT NULL,
  `name` char(64) NOT NULL,
  PRIMARY KEY (`help_keyword_id`),
  UNIQUE KEY `name` (`name`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8 STATS_PERSISTENT=0 COMMENT='help keywords';
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `help_keyword`
--
-- WHERE:  true limit 100

LOCK TABLES `help_keyword` WRITE;
/*!40000 ALTER TABLE `help_keyword` DISABLE KEYS */;
INSERT INTO `help_keyword` VALUES (282, 'JSON'), (283, '->'), (285, '->>'), (52, '<>'), (620, 'ACCOUNT'), (415, 'ACTION'), (46, 'ADD'), (108, 'AES_DECRYPT'), (109, 'AES_ENCRYPT'), (347, 'AFTER'), (97, 'AGAINST'), (652, 'AGGREGATE'), (348, 'ALGORITHM'), (482, 'ALL'), (47, 'ALTER'), (6, 'ANALYSE'), (349, 'ANALYZE'), (53, 'AND'), (319, 'ANY_VALUE'), (416, 'ARCHIVE'), (216, 'AREA'), (483, 'AS'), (181, 'ASBINARY'), (310, 'ASC'), (183, 'ASTEXT'), (182, 'ASWB'), (184, 'ASWKT'), (404, 'AT'), (508, 'AUTOCOMMIT'), (440, 'AUTOEXTEND_SIZE'), (350, 'AUTO_INCREMENT'), (351, 'AVG_ROW_LENGTH'), (536, 'BEFORE'), (509, 'BEGIN'), (54, 'BETWEEN'), (74, 'BIGINT'), (104, 'BINARY'), (677, 'BINLOG'), (14, 'BOOL'), (15, 'BOOLEAN'), (68, 'BOTH'), (408, 'BTREE'), (231, 'BUFFER'), (311, 'BY'), (39, 'BYTE'), (8, 'CACHE'), (448, 'CALL'), (417, 'CASCADE'), (59, 'CASE'), (600, 'CATALOG_NAME'), (77, 'CEIL'), (78, 'CEILING'), (217, 'CENTROID'), (510, 'CHAIN'), (352, 'CHANGE'), (541, 'CHANNEL'), (40, 'CHAR'), (36, 'CHARACTER'), (660, 'CHARSET'), (353, 'CHECK'), (354, 'CHECKSUM'), (621, 'CIPHER'), (601, 'CLASS_ORIGIN'), (633, 'CLIENT'), (454, 'CLOSE'), (355, 'COALESCE'), (680, 'CODE'), (320, 'COLLATE'), (662, 'COLLATION'), (356, 'COLUMN'), (357, 'COLUMNS'), (602, 'COLUMN_NAME'), (328, 'COMMENT'), (511, 'COMMIT'), (525, 'COMMITTED'), (418, 'COMPACT'), (329, 'COMPLETION'), (419, 'COMPRESSED'), (358, 'COMPRESSION'), (468, 'CONCURRENT'), (596, 'CONDITION'), (359, 'CONNECTION'), (512, 'CONSISTENT'), (360, 'CONSTRAINT'), (6
```

```
03, 'CONSTRAINT_CATALOG'), (604, 'CONSTRAINT_NAME'), (605, 'CONSTRAINT_SCHEMA'), (259, 'CONT  
AINS'), (597, 'CONTINUE'), (103, 'CONVERT'), (232, 'CONVEXHULL'), (309, 'COUNT'), (48, 'CREATE'  
, (307, 'CREATE_DH_PARAMETERS'), (501, 'CROSS'), (240, 'CROSSES'), (420, 'CSV'), (330, 'CURREN  
T_USER'), (594, 'CURSOR'), (606, 'CURSOR_NAME');  
/*!40000 ALTER TABLE `help_keyword` ENABLE KEYS */;  
UNLOCK TABLES;  
/*!40103 SET TIME_ZONE=@OLD_TIME_ZONE */;  
  
/*!40101 SET SQL_MODE=@OLD_SQL_MODE */;  
/*!40014 SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS */;  
/*!40014 SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS */;  
/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;  
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;  
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;  
/*!40111 SET SQL_NOTES=@OLD_SQL_NOTES */;  
  
-- Dump completed on 2020-01-20 12:09:19
```