

Task 1

The screenshot shows a Linux desktop environment with a terminal window open. The terminal window title is "Терминал". The terminal content shows the user navigating through their home directory and the /etc/mysql directory, listing files and contents. The user also views the "my.cnf" configuration file for MySQL.

```
kezia@ubuntu11:~$ ls
2010  2015      lib.txt      test.txt    Изображения
2011  2016      list.txt    touch       Музыка
2012  2017  script.txt    Video       Общедоступные
2013 errors.txt  script.txt.save Документы 'Рабочий стол'
2014 file      test_echo.txt Загрузки Шаблоны
итого 40
drwxr-xr-x  4 root root 4096 nov   3 20:53 .
drwxr-xr-x 130 root root 12288 nov   5 19:36 ..
drwxr-xr-x  2 root root 4096 juuli 31 19:30 conf.d
-rw-----  1 root root  317 nov   3 20:53 debian.cnf
-rwxr-xr-x  1 root root  120 okt  22 16:19 debian-start
lrwxrwxrwx  1 root root   24 okt  3 16:50 my.cnf -> /etc/alternatives/my.cnf
-rw-r--r--  1 root root  839 aug   3 2016 my.cnf.fallback
-rw-r--r--  1 root root  719 nov   8 11:37 mysql.cnf
drwxr-xr-x  2 root root 4096 nov   3 20:53 mysql.conf.d
kezia@ubuntu11:/etc/mysql$ cat my.cnf
[mysql]
user=root
password=my8sql

#
# The MySQL database server configuration file.
#
# You can copy this to one of:
# - "/etc/mysql/my.cnf" to set global options,
# - "~/.my.cnf" to set user-specific options.
#
# One can use all long options that the program supports.
# Run program with --help to get a list of available options and with
# --print-defaults to see which it would actually understand and use.
#
# For explanations see
# http://dev.mysql.com/doc/mysql/en/server-system-variables.html

#
# * IMPORTANT: Additional settings that can override those from this file!
#   The files must end with '.cnf', otherwise they'll be ignored.
#
!includedir /etc/mysql/conf.d/
!includedir /etc/mysql/mysql.conf.d/
```

kezia@ubuntu11:/etc/mysql\$

Task 2

ubuntu11 [Работает] - Oracle VM VirtualBox

Файл Машина Вид Ввод Устройства Справка

Обзор Терминал ▾

```
kezia@ubuntu11:/etc/mysql$ cd ~
kezia@ubuntu11:~$ mysql
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 14
Server version: 8.0.22-0ubuntu0.20.04.2 (Ubuntu)

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

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+
4 rows in set (0.18 sec)

mysql> create database example
      -> ;
Query OK, 1 row affected (1.15 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 users (id int not null, name varchar(30) not null);
Query OK, 0 rows affected (1.72 sec)

mysql> show tables
      -> ;
+-----+
| Tables_in_example |
+-----+
| users |
+-----+
1 row in set (0.00 sec)

mysql> select * from users;
Empty set (0.06 sec)
```

Task 3

The screenshot shows a terminal window titled "Терминал" (Terminal) on an Ubuntu 11.04 desktop. The desktop icons include a browser, file manager, application menu, help, and terminal. The terminal output is as follows:

```
kezia@ubuntu11:~$ mysqldump -u root -p example > example_dump.sql
Enter password:
kezia@ubuntu11:~$ ls
2010  2016      list.txt      Видео      'Рабочий стол'
2011  2017      script.txt   Документы  Шаблоны
2012  errors.txt  script.txt.save  Загрузки  Изображения
2013  example_dump.sql  test_echo.txt  Музыка    Общедоступные
2014  file       test.txt
2015  lib.txt    touch

kezia@ubuntu11:~$ cat example_dump.sql
-- MySQL dump 10.13 Distrib 8.0.22, for Linux (x86_64)
--
-- Host: localhost      Database: example
-- 
-- Server version     8.0.22-0ubuntu0.20.04.2

/*!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 */;
/*!50503 SET NAMES utf8mb4 */;
/*!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 */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `users` (
  `id` int NOT NULL,
  `name` varchar(30) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;
```

Обзор

Терминал ▾



[+]

```
kezia@ubuntu11:~$ mysql
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 26
Server version: 8.0.22-0ubuntu0.20.04.2 (Ubuntu)

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owners.

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

mysql> create database sample
      -> ;
Query OK, 1 row affected (0.61 sec)

mysql> show databases;
+-----+
| Database      |
+-----+
| example       |
| information_schema |
| mysql          |
| performance_schema |
| sample         |
| sys            |
+-----+
6 rows in set (0.00 sec)

mysql> exit;
Bye
kezia@ubuntu11:~$ mysql -u root -p sample < example_dump.sql
Enter password:
kezia@ubuntu11:~$ mysql
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 28
Server version: 8.0.22-0ubuntu0.20.04.2 (Ubuntu)

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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 (0.01 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> show tables;
+-----+
| Tables_in_sample |
+-----+
| users             |
+-----+
1 row in set (0.00 sec)

```

Task4

The terminal window shows the command being run:

```

kezia@ubuntu11:~$ mysqldump -u root -p mysql help_keyword > mysql_dump.sql
Enter password:
kezia@ubuntu11:~$ cat mysql_dump.sql
-- MySQL dump 10.13 Distrib 8.0.22, for Linux (x86_64)
-- Host: localhost Database: mysql
-- 
-- Server version     8.0.22-0ubuntu0.20.04.2

/*140101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
/*140101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
/*140101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
/*159503 SET NAMES utf8mb4 */;

/*140103 SET @OLD_TIME_ZONE=@TIME_ZONE */;
/*140103 SET TIME_ZONE='+00:00' */;

/*140103 SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0 */;
/*140103 SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS, FOREIGN_KEY_CHECKS=0 */;
/*140101 SET @OLD_SQL_MODE=@@SQL_MODE, SQL_MODE='NO_AUTO_VALUE_ON_ZERO' */;

/*140111 SET @OLD_SQL_NOTES=@@SQL_NOTES, SQL_NOTES=0 */;

-- Table structure for table `help_keyword`:

DROP TABLE IF EXISTS `help_keyword`;
/*140003 SET @saved_cs_client = @@character_set_client */;
CREATE TABLE `help_keyword`(
  `help_keyword_id` int unsigned NOT NULL,
  `name` char(64) NOT NULL,
  PRIMARY KEY(`help_keyword_id`),
  UNIQUE KEY `name` (`name`)
)/*159100 TABLESPACE `mysql` */ ENGINE=InnoDB DEFAULT CHARSET=utf8 STATS_PERSISTENT=0 ROW_FORMAT=DYNAMIC COMMENT='help keywords';
/*140101 SET character_set_client = @saved_cs_client */;

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

LOCK TABLES `help_keyword` WRITE;
/*140000 ALTER TABLE `help_keyword` DISABLE KEYS */;
INSERT INTO `help_keyword` VALUES (108,'%'),(264,'$'),(416,'JSON'),(86,'*'),(84,'+'),(85,'-'),(417,'>'),(419,'>>'),(87,'/'),(75,'-'),(59,'<'),(266,'<<'),(58,'<<'),(56,'<>'),(57,'>>'),(55,'-'),(61,'>'),(60,'>='),(267,'>>'),(99,'ABS'),(844,'ACCOUNT'),(91,'ACOS'),(650,'ACTION'),(49,'ADD'),(120,'ADDDATE'),(121,'ADDTIME'),(670,'ADMIN'),(270,'AES_DECRYPT'),(271,'AES_ENCRYPT'),(573,'AFTER'),(247,'AGAINST'),(891,'AGGREGATE'),(574,'ALGORITHM'),(713,'ALL'),(58,'ALTER'),(575,'ANALYZE'),(62,'AND'),(520,'ANY_VALUE'),(651,'ARCHIVE'),(254,'ARRAY'),(714,'AS'),(458,'ASC'),(185,'ASCII'),(92,'ASIN'),(6,'ASYMMETRIC_DCRYPT'),(7,'ASYMMETRIC_DERIVE'),(18,'ASYMMETRIC_ENCRYPT'),(9,'ASYMMETRIC_SIGN'),(10,'ASYMMETRIC_VERIFY'),(634,'AT'),(93,'ATAN'),(94,'ATANZ'),(645,'ATTRIBUTE'),(735,'AUTOCOMMIT'),(673,'AUTEXTEND_SIZE'),(579,'AVG'),(452,'AVG_ROW_ID'),(453,'AVG_ROW_NUM'),(454,'AVG_ROW_OPTIMIZE'),(736,'BIN'),(653,'BIN_TO_WED'),(654,'BLOB'),(253,'BLOB'),(618,'BINARY'),(521,'BIN_TO_WED'),(454,'BIT'),(269,'BIT_CONVERT'),(187,'BIT_LENGTH'),(455,'BIT_OR'),(456,'BIT_XOR'),(17,'BOOL'),(48,'BOOLEAN'),(230,'BOTH'),(630,'BTREE'),(459,'BY'),(42,'CROSSENTER'),(491,'CROSS_CACHE'),(681,'CALL'),(493,'CAN_ACCESS_COLUMN'),(492,'CAN_ACCESS_DATABASE'),(493,'CAN_ACCESS_TABLE'),(494,'CAN_ACCESS_USER'),(495,'CAN_ACCESS_VIEW'),(652,'CASCADE'),(76,'CASE'),(255,'CAST'),(825,'CATALOG_NAME'),(98,'CEIL'),(497,'CEILING'),(757,'CHECK');

-- IN'),(578,'CHANGE'),(557,'CHANNEL'),(43,'CHAR'),(39,'CHARACTER'),(189,'CHARACTER_LENGTH'),(289,'CHARSET'),(188,'CHAR_LENGTH'),(579,'CHECK');

```