

Home work Data base 2

1. Проверяем какие базы данных у нас есть

```
mysql> SHOW DATABASES;
+-----+
| Database |
+-----+
| endangered_species |
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+
5 rows in set (0,00 sec)

mysql> 
```

2. Проверим имеющиеся таблицы

```
mysql> USE endangered_species;
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_endangered_species |
+-----+
| Critically_Endangered |
| Endangered |
+-----+
2 rows in set (0,00 sec)

mysql> 
```

3. Сделаем бэкап базы endangered_species

```
mysqldump -u root -p endangered_species > /home/alex/projects/SQL_tasks/backup.sql
```

4. Добавим новую таблицу Extinct в базу данных endangered_species и проверим теперь количество таблиц

```
CREATE TABLE Extinct (id INT AUTO_INCREMENT PRIMARY KEY, name VARCHAR(255), habitat VARCHAR(255), population INT, nutrition VARCHAR(255));
```

```
mysql> USE endangered_species;
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> CREATE TABLE Extinct (id INT AUTO_INCREMENT PRIMARY KEY, name VARCHAR(255), habitat VARCHAR(255), population INT, nutrition VARCHAR(255));
Query OK, 0 rows affected (0,17 sec)

mysql> SHOW TABLES;
+-----+
| Tables_in_endangered_species |
+-----+
| Critically_Endangered        |
| Endangered                   |
| Extinct                      |
+-----+
3 rows in set (0,01 sec)

mysql>
```

5. Теперь восстановим базу данных из бэкапа и убедимся, что таблицы снова стало 2

```
mysqldump -u root -p endangered_species < /home/alex/projects/SQL_tasks/backup.sql
```

```
mysql> USE endangered_species;
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_endangered_species |
+-----+
| Critically_Endangered        |
| Endangered                   |
+-----+
2 rows in set (0,00 sec)

mysql> exit;
```