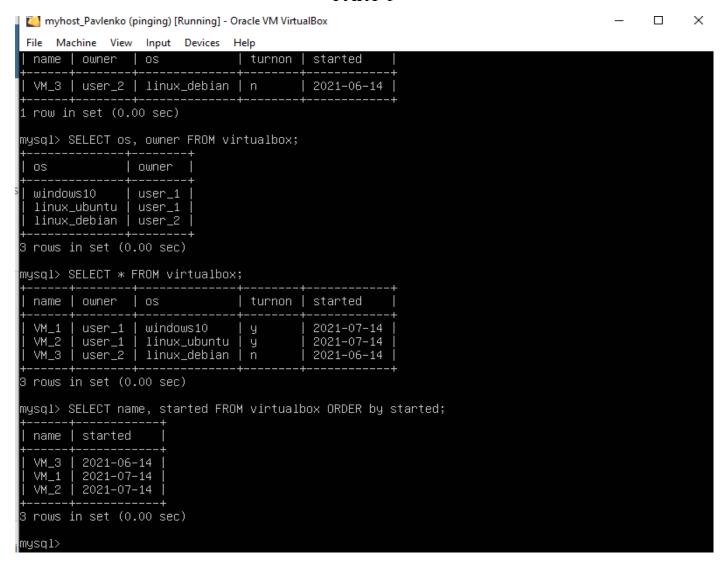
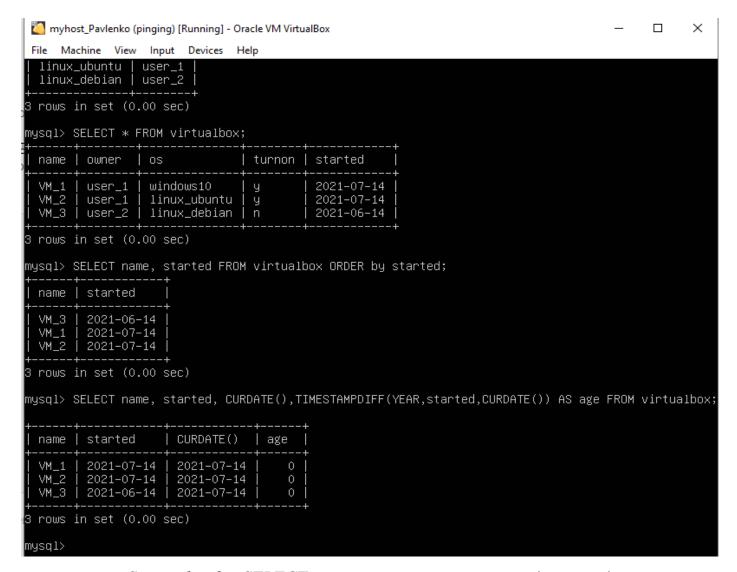
MYSQL database administration

PART 1



Screenshot 1 - SELECT по имени с сортировкой по дате создания



Screenshot 2 – SELECT с вычислением возраста по дате создания

```
File Machine View Input Devices Help
nysql> SELECT * FROM virtualbox WHERE owner LIKE '%er%';
       owner
                                 turnon |
                                           started
 name
                 os
                                           2021-07-14
  VM_1
         user_1
                  windows10
                                 y
 VM_2
VM_3
                                           2021-07-14
         user_1
                  linux_ubuntu
         user_2
                  linux_debian
                                           2021-06-14
 rows in set (0.00 sec)
mysql> SELECT COUNT(*) FROM virtualbox;
 COUNT(*) |
         3
 row in set (0.00 sec)
mysql> SELECT COUNT(*) FROM virtualbox GROUP BY owner;
 COUNT(*) |
         2
 rows in set (0.00 sec)
mysql> SELECT owner,COUNT(*) FROM virtualbox GROUP BY owner;
 owner
           COUNT(*)
 user_1
 user_2
 rows in set (0.00 sec)
mysql>
```

Screenshot 3 – SELECT с подсчётом количества совпадений владельцев

Screenshot 4 – SELECT с поиском совпадений по символам

2021-07-14

2021-06-14

user_1

rows in set (0.00 sec)

VM_3 | user_2

linux_ubuntu

linux_debian

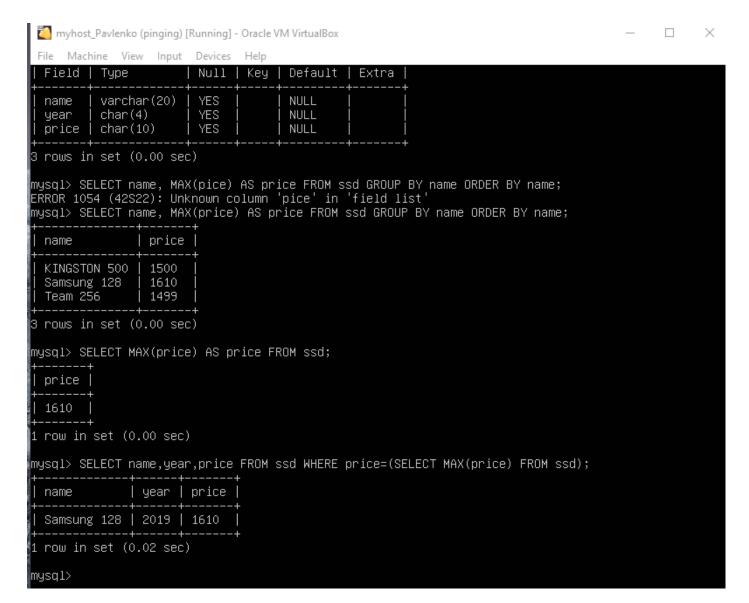
y

VM_2

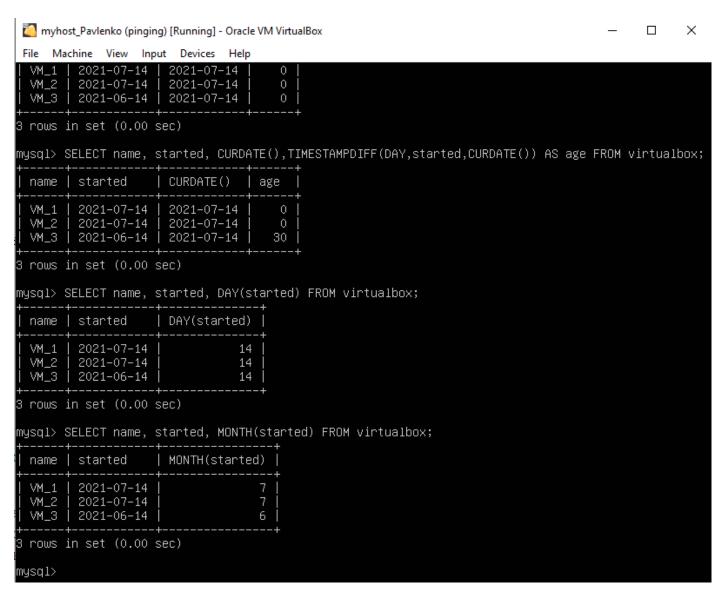
nysql>

```
| user_1 | windows10
  VM\_1
  VM_2
       user_1
                  linux_ubuntu |
                                            2021-07-14
 rows in set (0.01 sec)
mysql> SELECT * FROM virtualbox WHERE owner = 'user_1' AND turnon ='y';
                                  turnon | started
  name | owner
                 | os
                  windows10
                                            2021-07-14
  VM_1
       user_1
  VM_2 | user_1 |
                  linux_ubuntu |
                                            2021-07-14
  rows in set (0.00 sec)
mysql> INSERT INTO virtualbox
-> VALUES( 'VM_3', 'user_2', 'linux_debian','n','2021–06–14');
Query OK, 1 row affected (0.01 sec)
mysql> SELECT * FROM virtualbox WHERE owner = 'user_2' AND turnon ='n';
       owner
                                  turnon
                                           started
  name
                 os
  VM_3 | user_2 | linux_debian | n
                                           2021-06-14
 row in set (0.00 sec)
mysql> SELECT os, owner FROM virtualbox;
  os
                 owner
  windows10
                 user_1
  linux_ubuntu
                 user_1
  linux_debian
                 user_2
 rows in set (0.00 sec)
mysql> _
```

Screenshot 5 – SELECT с сортировкой по нескольким значениям и по владельцу



Screenshot 6 – SELECT с группировкой по названию, вычислением максимальной цены

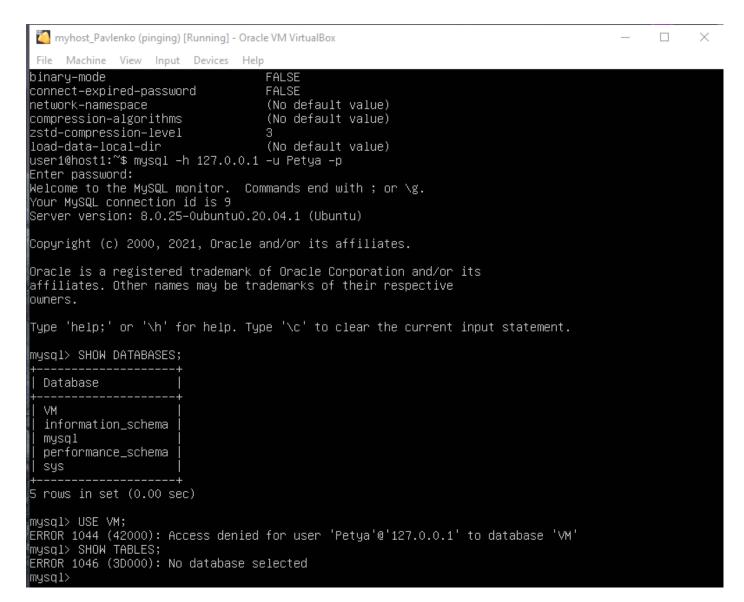


Screenshot 7- SELECT с вычисление дней работы, вывод дня и месяца создания

Screenshot 8- Создание пользователей и выдача прав доступа



Screenshot 9 - Вход с правами доступа администратора для просмотра процессов внутри базы данных



Screenshot 10 – Вход пользователя с правами доступа только на просмотр названий баз данных

```
myhost_Pavlenko (pinging) [Running] - Oracle VM VirtualBox
                                                                                          \times
    Machine View Input Devices Help
5 rows in set (0.00 sec)
mysql> USE VM;
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_VM
  ssd
  students
  virtualbox
 rows in set (0.00 sec)
mysql> SELECT * FROM virtualbox;
  name
       owner
                os
                               | turnon | started
                  windows10
  VM_1
        user_1
                                y
                                          2021-07-14
  VM_2
        user_1
                  linux_ubuntu
                                          2021-07-14
  VM_3
        user_2
                 linux_debian
                                          2021-06-14
                               n
 rows in set (0.00 sec)
mysql> INSERT INTO virtualbox
    -> 123
–> VALUES( 'VM_5','user_2','windows11','n','2021–07–15');
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your
mysql>
```

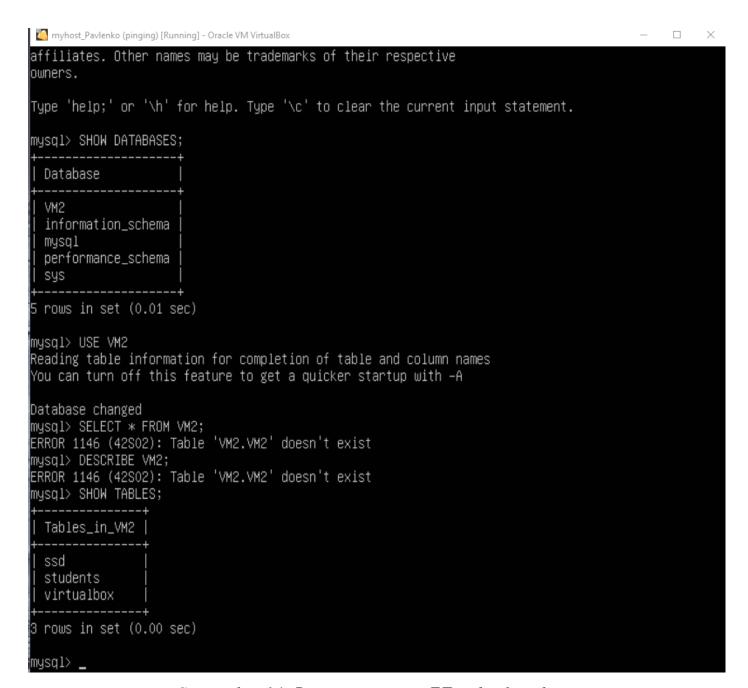
Screenshot 11 -Bxod пользователя с правами доступа только SELECT

PART 2

```
myhost_Pavlenko (pinging) [Running] - Oracle VM VirtualBox
                                                                                                       affiliates. Other names may be trademarks of their respective
owners.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql> show databases;
  Database
  VM
  information_schema
  mysql
  performance_schema
  sys
 rows in set (0.01 sec)
mysql> exit
root@host1:~# mysqldump –all–databases ––master–data ––single–transaction>backup1.sql
mysqldump: [ERROR] mysqldump: unknown option '--'.
root@host1:~# mysqldump ––all–databases ––master–data ––single–transaction>backup1.sql
root@host1:~# mysqldump –u root –p VM>VM_rec1.sql
Enter password:
root@host1:~# mysql –uroot –e 'show table' VM && echo done
ERROR 1064 (42000) at line 1: You have an error in your SQL syntax; check the manual that correspond
s to your MySQL server version for the right syntax to use near '' at line 1
root@host1:~# mysql –uroot –e 'show tables' VM && echo done
  Tables_in_VM |
  ssd
  students
  virtualbox
done
root@host1:~#
```

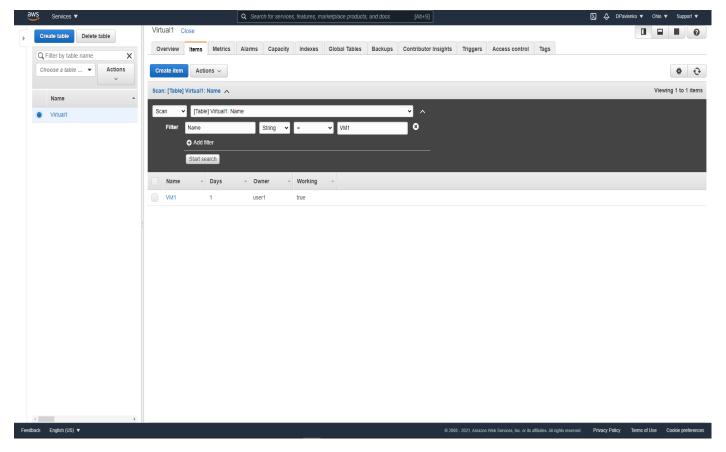
Screenshot 12 – Создание backup mysql БД

Screenshot 13 – Удаление БД

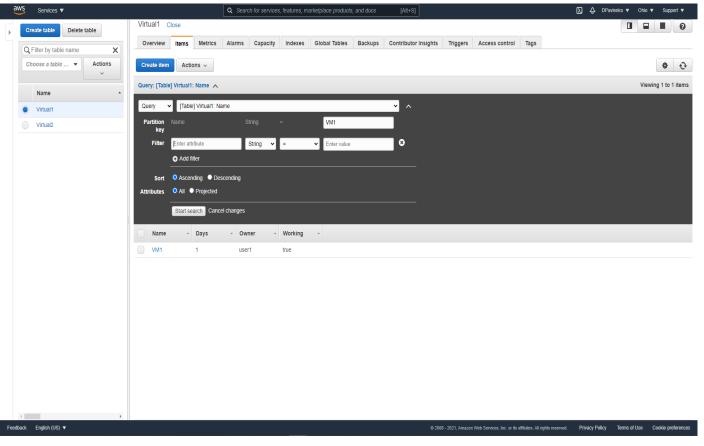


Screenshot 14 -Восстановление БД из backup dump

PART 3



Screenshot 15- Scan DynamoDB (поиск)



Screenshot 16 – Query DynamoDB (запрос)