TASK MYSQL capture dan script

1. LOAD DATABASE

```
Microsoft Windows [Version 18.0.22621.1555]
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C:\Users\Neuron-NB153>cd /xampp/mysql/bin

C:\xampp\mysql\bin>mysql -u root -p
Enter password:
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 8
Server version: 10.4.22-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]> source C:\Users\Neuron-NB153\Downloads\tugassql-aksal\mysqlsampledatabase.sql
Query OK, 0 rows affected (0.000 sec)

Database changed

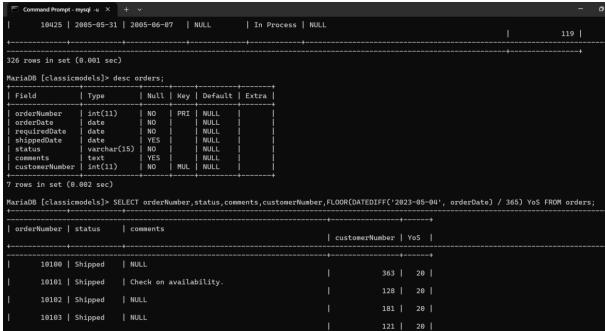
Query OK, 0 rows affected (0.014 sec)
```

2. SHOW TABLES

```
Query OK, 0 rows affected (0.005 sec)
Query OK, 110 rows affected (0.005 sec)
Records: 110 Duplicates: 0 Warnings: 0
Query OK, 0 rows affected (0.000 sec)
MariaDB [classicmodels]> show tables;
Tables_in_classicmodels
 customers
 employees
 offices
 orderdetails
 orders
 payments
 productlines
 products
8 rows in set (0.001 sec)
MariaDB [classicmodels]>
```

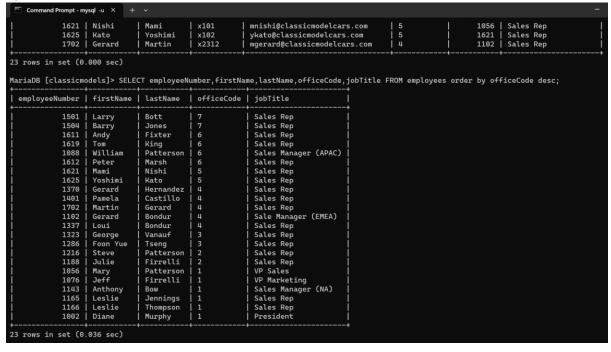
3. Querying data

SELECT orderNumber, status, comments, customerNumber, FLOOR (DATEDIFF ('2023-05-04', orderDate) / 365) YoS FROM orders;



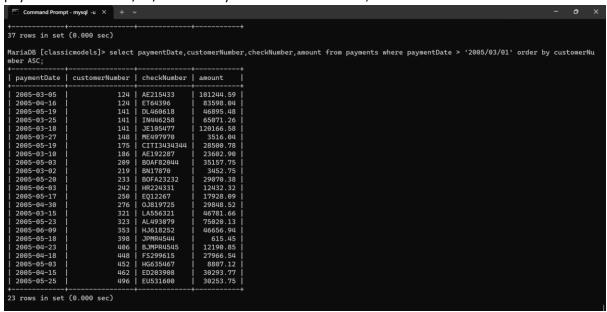
4. Sorting data

SELECT employeeNumber,firstName,lastName,officeCode,jobTitle FROM employees order by officeCode desc;



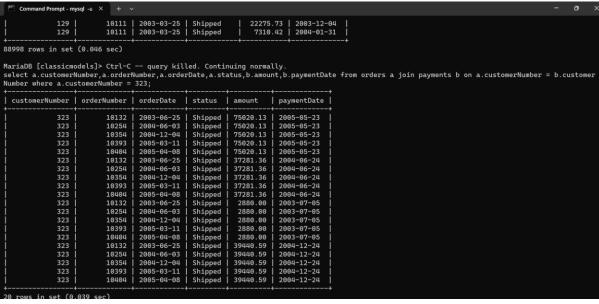
5. Filtering data

select paymentDate,customerNumber,checkNumber,amount from payments where paymentDate > '2005/03/01' order by customerNumber ASC;



6. JOIN

select a.customerNumber,a.orderNumber,a.orderDate,a.status,b.amount,b.paymentDate from orders a join payments b on a.customerNumber = b.customerNumber where a.customerNumber = 323;



7. Agregate

select avg(amount) from payments where customerNumber = 323;

```
MariaDB [classicmodels]> select avg(amount) from payments where customerNumber = 323;
+------+
| avg(amount) |
+-----+
| 38655.520000 |
+-----+
1 row in set (0.038 sec)
MariaDB [classicmodels]>
```

8. Alias

select status as Vstatus from orders WHERE ORDERNUMBER = 10404;

```
MariaDB [classicmodels]> select status as Vstatus from orders WHERE ORDERNUMBER = 10404;
+-----+
| Vstatus |
+-----+
| Shipped |
+-----+
1 row in set (0.000 sec)
```

9. Text Operation

select ordernumber, status from orders WHERE ordernumber like '%1040%';

```
MariaDB [classicmodels]> select ordernumber, status from orders WHERE ordernumber like '%1040%';
 ordernumber | status
        10400
                Shipped
        10401
                On Hold
        10402
                Shipped
        10403
                Shipped
        10404
                Shipped
        10405
                Shipped
        10406
                Disputed
        10407
                On Hold
        10408
                Shipped
        10409
                Shipped
10 rows in set (0.001 sec)
```

10. Numeric

select employeeNumber from employees where employeeNumber > 1400;

11. Single row function

select count(employeeNumber) as employee from employees;

12. Insert

insert into

employees(employeeNumber,lastname,firstname,extension,email,officecode,reportsTo,jobT itle) values ('1706','Dzikril','Akshal','x1777','aksaldzm3@gmail.com','5','1102','Support');

```
MariaDB [classicmodels]> insert into employees(employeeNumber,lastname,firstname,extension,email,officecode,reportsTo,jobTitle)
-> values ('1706','Dzikril','Akshal','x1777','aksaldzm3@gmail.com','5','1102','Support');
Query OK, 1 row affected (0.012 sec)

MariaDB [classicmodels]> select * from employees where firstname = 'Akshal';
| employeeNumber | lastName | firstName | extension | email | officeCode | reportsTo | jobTitle |
| 1706 | Dzikril | Akshal | x1777 | aksaldzm3@gmail.com | 5 | 1102 | Support |
1 row in set (0.000 sec)
```

13. Update

update employees set lastname = 'Majid' where employeenumber = '1706';

```
MariaDB [classicmodels]> select * from employees where firstname = 'Akshal';
 employeeNumber | lastName | firstName | extension | email
                                                                               | officeCode | reportsTo | jobTitle
            1706 | Dzikril | Akshal
                                                                                                    1102 | Support
                                          | x1777
                                                       | aksaldzm3@gmail.com | 5
1 row in set (0.000 sec)
MariaDB [classicmodels]> update employees set lastname = 'Majid' where employeenumber = '1706';
Query OK, 1 row affected (0.002 sec)
Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [classicmodels]> select * from employees where firstname = 'Akshal';
  employeeNumber | lastName | firstName | extension | email
                                                                                officeCode | reportsTo | jobTitle
             1706 | Majid
                              | Akshal
                                           | x1777
                                                         aksaldzm3@gmail.com | 5
                                                                                                    1102 | Support
1 row in set (0.000 sec)
```

14. Delete

delete from employees where employeenumber = '1706';

```
MariaDB [classicmodels]> select * from employees where firstname = 'Akshal';
| employeeNumber | lastName | firstName | extension | email | officeCode | reportsTo | jobTitle |
| 1706 | Majid | Akshal | x1777 | aksaldzm3@gmail.com | 5 | 1102 | Support |
| 1 row in set (0.000 sec)

MariaDB [classicmodels]> delete from employees where employeenumber = '1706';
Query OK, 1 row affected (0.012 sec)

MariaDB [classicmodels]> select * from employees where firstname = 'Akshal';
Empty set (0.000 sec)
```