

PRACTICAL NO. 5

TABLE ORDERS.

SQL> create table orders(O_Id int(5),Orderno int(5),P_Id int(3));

SQL>insert into orders values(1,77895,3);

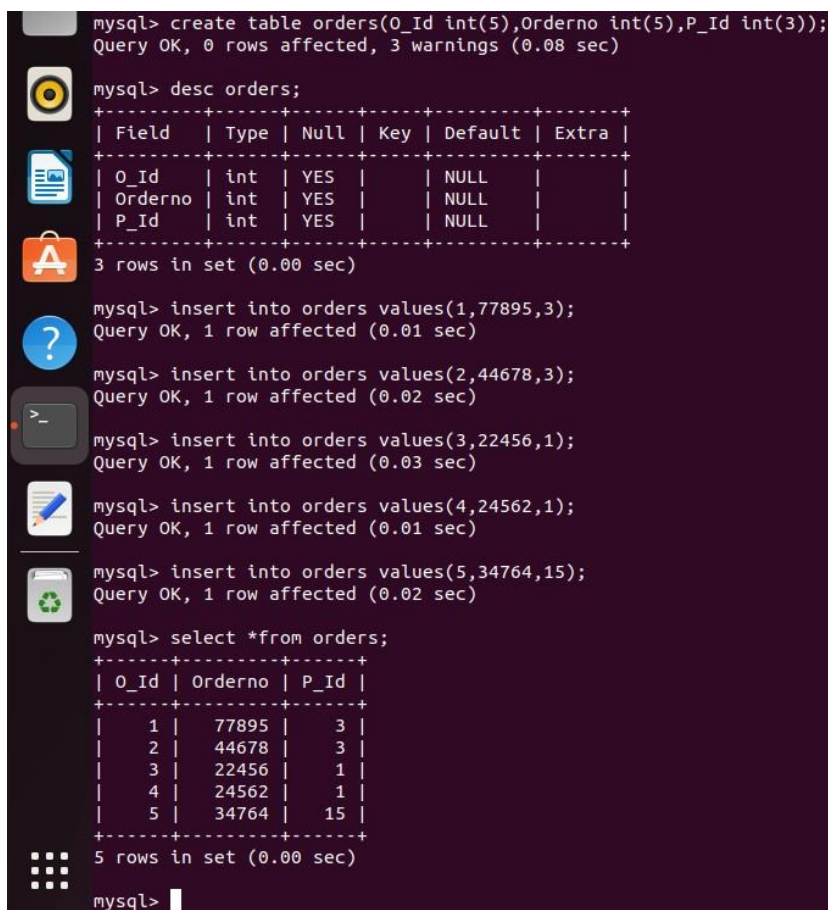
SQL>insert into orders values(2,44678,3);

SQL>insert into orders values(3,22456,1);

SQL>insert into orders values(4,24562,1);

SQL>insert into orders values(5,34764,15);

SQL>select *from orders;



```
mysql> create table orders(O_Id int(5),Orderno int(5),P_Id int(3));
Query OK, 0 rows affected, 3 warnings (0.08 sec)

mysql> desc orders;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| O_Id  | int  | YES  |     | NULL    |       |
| Orderno | int  | YES  |     | NULL    |       |
| P_Id  | int  | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> insert into orders values(1,77895,3);
Query OK, 1 row affected (0.01 sec)

mysql> insert into orders values(2,44678,3);
Query OK, 1 row affected (0.02 sec)

mysql> insert into orders values(3,22456,1);
Query OK, 1 row affected (0.03 sec)

mysql> insert into orders values(4,24562,1);
Query OK, 1 row affected (0.01 sec)

mysql> insert into orders values(5,34764,15);
Query OK, 1 row affected (0.02 sec)

mysql> select *from orders;
+-----+-----+-----+
| O_Id | Orderno | P_Id |
+-----+-----+-----+
| 1    | 77895   | 3    |
| 2    | 44678   | 3    |
| 3    | 22456   | 1    |
| 4    | 24562   | 1    |
| 5    | 34764   | 15   |
+-----+-----+-----+
5 rows in set (0.00 sec)

mysql>
```

TABLE PERSONS.

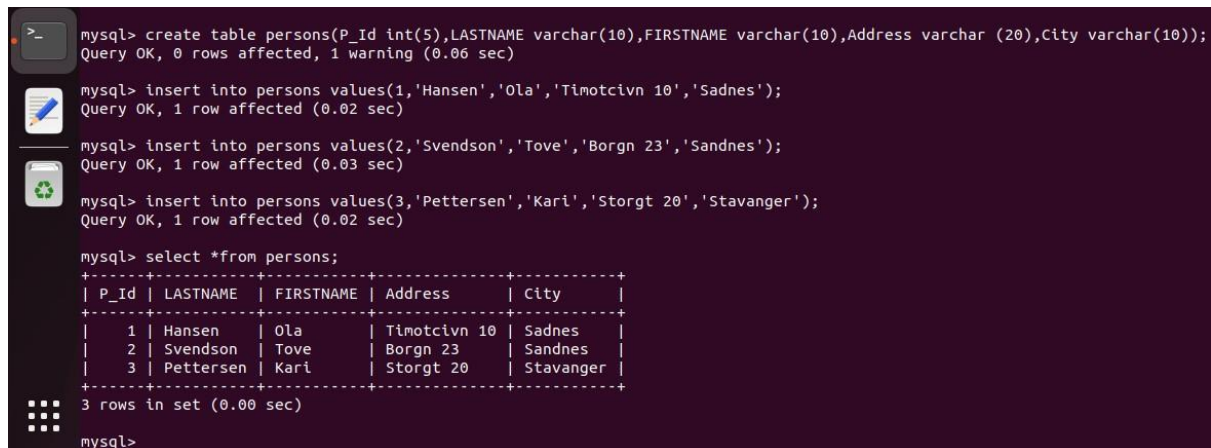
```
SQL> create table persons(P_Id int(5),LASTNAME varchar(10), FIRSTNAME
varchar(10),Address varchar(10),City varchar(10));
```

```
SQL>insert into persons values(1,'Hansen','Ola','Timotcivn 10','Sadnes');
```

```
SQL>insert into persons values(2,'Svendson','Tove','Borgn 23','Sandnes');
```

```
SQL>insert into persons values(3,'Pettersen','Kari','Storgt 20','Stavanger');
```

```
SQL>select *from persons;
```



```
mysql> create table persons(P_Id int(5),LASTNAME varchar(10),FIRSTNAME varchar(10),Address varchar (20),City varchar(10));
Query OK, 0 rows affected, 1 warning (0.06 sec)

mysql> insert into persons values(1,'Hansen','Ola','Timotcivn 10','Sadnes');
Query OK, 1 row affected (0.02 sec)

mysql> insert into persons values(2,'Svendson','Tove','Borgn 23','Sandnes');
Query OK, 1 row affected (0.03 sec)

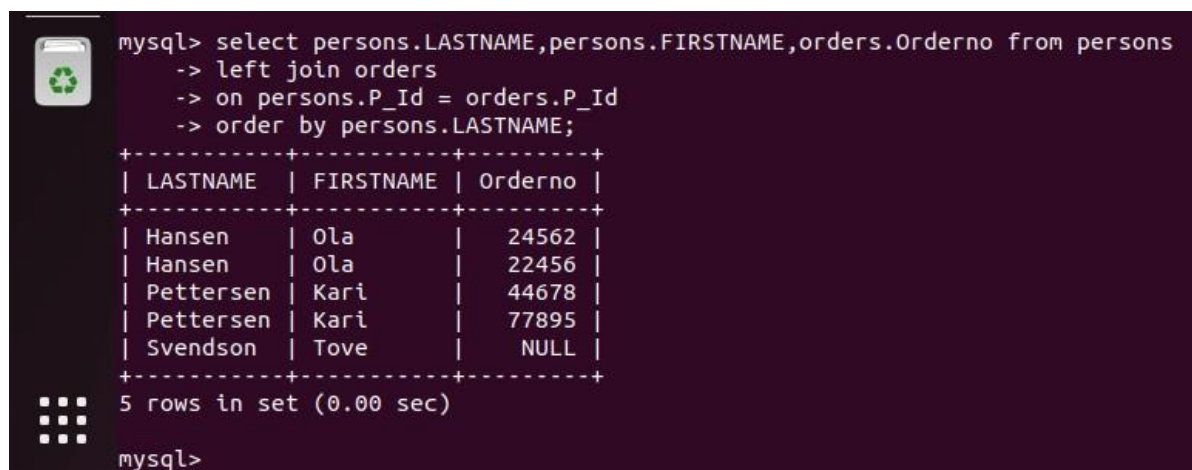
mysql> insert into persons values(3,'Pettersen','Kari','Storgt 20','Stavanger');
Query OK, 1 row affected (0.02 sec)

mysql> select *from persons;
+-----+-----+-----+-----+-----+
| P_Id | LASTNAME | FIRSTNAME | Address | City |
+-----+-----+-----+-----+-----+
| 1 | Hansen | Ola | Timotcivn 10 | Sadnes |
| 2 | Svendson | Tove | Borgn 23 | Sandnes |
| 3 | Pettersen | Kari | Storgt 20 | Stavanger |
+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql>
```

1. LEFT JOIN.

```
SQL>select persons.LASTNAME,persons.FIRSTNAME,orders.Orderno
from persons
left join orders
on persons.P_Id = orders.P_Id
order by persons.LASTNAME;
```




```
mysql> select persons.LASTNAME,persons.FIRSTNAME,orders.Orderno from persons
-> left join orders
-> on persons.P_Id = orders.P_Id
-> order by persons.LASTNAME;
+-----+-----+-----+
| LASTNAME | FIRSTNAME | Orderno |
+-----+-----+-----+
| Hansen | Ola | 24562 |
| Hansen | Ola | 22456 |
| Pettersen | Kari | 44678 |
| Pettersen | Kari | 77895 |
| Svendson | Tove | NULL |
+-----+-----+-----+
5 rows in set (0.00 sec)

mysql>
```

2. RIGHT JOIN.

```
SQL>select persons.LASTNAME,persons.FIRSTNAME,orders.Orderno
from persons
RIGHT OUTER JOIN orders
on persons.P_Id = orders.P_Id
order by persons.LASTNAME;
```



```
mysql> select persons.LASTNAME,persons.FIRSTNAME,orders.Orderno
-> from persons
-> RIGHT OUTER JOIN orders
-> on persons.p_Id = orders.P_Id
-> order by persons.LASTNAME;
```

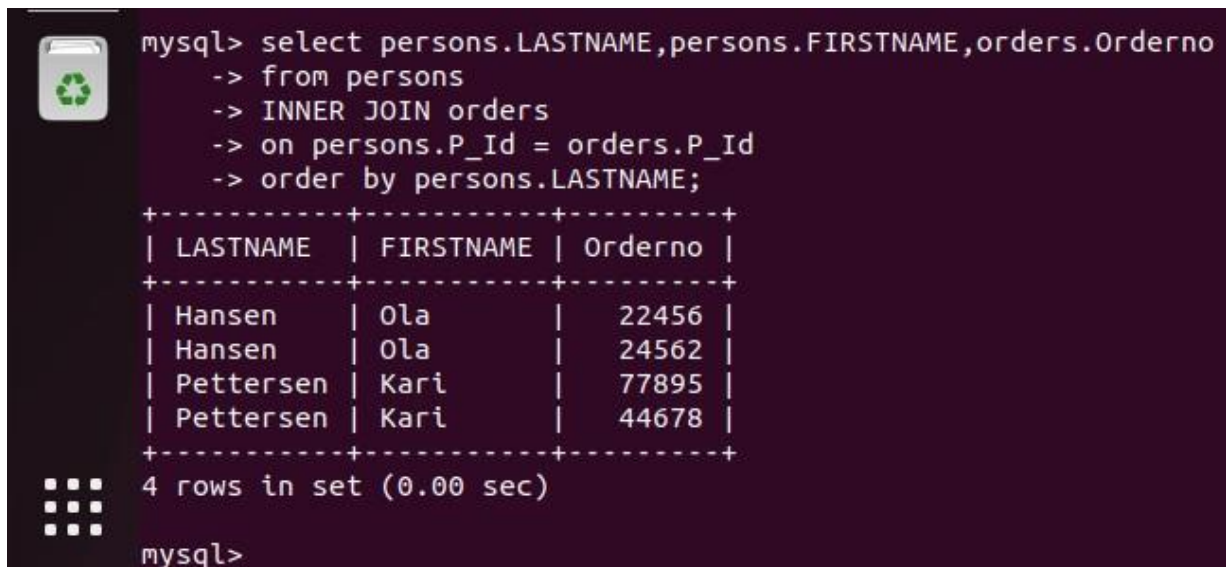
LASTNAME	FIRSTNAME	Orderno
NULL	NULL	34764
Hansen	Ola	22456
Hansen	Ola	24562
Pettersen	Kari	77895
Pettersen	Kari	44678

5 rows in set (0.00 sec)

```
mysql>
```

3. INNER JOIN.

```
SQL>select persons.LASTNAME,persons.FIRSTNAME,orders.Orderno
from persons
INNER JOIN orders
on persons.P_Id = orders.P_Id
order by persons.LASTNAME;
```



```
mysql> select persons.LASTNAME,persons.FIRSTNAME,orders.Orderno
-> from persons
-> INNER JOIN orders
-> on persons.P_Id = orders.P_Id
-> order by persons.LASTNAME;
```

LASTNAME	FIRSTNAME	Orderno
Hansen	Ola	22456
Hansen	Ola	24562
Pettersen	Kari	77895
Pettersen	Kari	44678

4 rows in set (0.00 sec)

```
mysql>
```