

// Author: Durvesh Malpure 31139

// DBMSL Assignment 4

mysql> select * from customer natural join orders;

```
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
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| cust_no | cust_fname | cust_lname | cust_company | cust_addr | city | cust_phone |
order_no | ISBN | Qty | odate |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
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| 1 | Durvesh | Malpure | Tesla | Nashik-PINCODE | Nashik | 1234567890 | 1 |
1122-3456 | 2 | 2020-09-11 |
| 2 | Ram | Kumar | Sham | Pune | Pune | 8787 | 2 | 1122-3457 | 3 |
| 2020-09-12 |
| 4 | Sham | Kulkarni | Ram | Pune | Pune | 55551 | 3 | 1122-3459 | 1 |
| 2020-09-12 |
| 6 | Narendra | Modi | BJP | Modis address | Delhi | 55555 | 4 | 1122-3349 |
5 | 2020-09-12 |
| 8 | Rahul | Gandhi | Congress | Rahuls address | Delhi | 7777 | 5 | 1122-3333
| 1 | 2020-09-13 |
| 9 | Henry | Baggins | LOTR | The shire | The shire | 888 | 6 | 1122-3311 |
2 | 2020-09-13 |
| 3 | Aditi | Mantri | bcd | Aditis address | Mumbai | 2222222222 | 7 | 1122-
3323 | 4 | 2020-09-13 |
| 5 | Phineas | Musk | Boring | Elons address | Mumbai | 4444444444 | 8 | 1122-
3324 | 2 | 2020-09-14 |
| 7 | Amit | Shah | BJP | Amits address | Delhi | 6666 | 9 | 1122-3325 | 3 |
| 2020-09-14 |
| 9 | Henry | Baggins | LOTR | The shire | The shire | 888 | 10 | 1122-3322 |
2 | 2020-09-14 |
```

```
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
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```

10 rows in set (0.08 sec)

mysql> select title,author_name,country from book natural join author;

```
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```

title	author_name	country
Romeo and Juliet	Shakespear	USA
Australian Adventure	Carter	Australia
Harry Potter	JKRowling	England
Some childrens book	DrSeuss	USA
The shining	Stephen K	USA
GOT	GRRM	USA
LOTR	JRRTolkien	England
DBMS	pratik	India
suheldev	Amish	India
Half-girlfriend	Chetan	India

10 rows in set (0.07 sec)

```
mysql> select cust_no,cust_fname,order_no from customer left join orders using(cust_no) where order_no is NULL;
```

cust_no	cust_fname	order_no
10	Hector	NULL

1 row in set (0.00 sec)

```
mysql> select title,ISBN,order_no from book left join orders using(ISBN) where order_no is NULL;
```

Empty set (0.00 sec)

```
mysql> select c.cust_fname,b.title,o.order_no,b.pub_year from book b inner join orders o on b.ISBN=o.ISBN inner join customer c on c.cust_no=o.cust_no where b.ISBN='1122-3349';
```

cust_fname	title	order_no	pub_year
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Narendra	LOTR	4	2017	
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+-----+	+-----+	+-----+	+-----+	
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1 row in set (0.00 sec)

mysql> select cust_fname,sum(qty) from customer natural join orders group by cust_fname;

+-----+	+-----+	
---------	---------	--

cust_fname	sum(qty)	
------------	----------	--

+-----+	+-----+	
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Durvesh	2	
---------	---	--

Ram	3	
-----	---	--

Sham	1	
------	---	--

Narendra	5	
----------	---	--

Rahul	1	
-------	---	--

Henry	4	
-------	---	--

Aditi	4	
-------	---	--

Phineas	2	
---------	---	--

Amit	3	
------	---	--

+-----+	+-----+	
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9 rows in set (0.09 sec)

mysql> select c.cust_no,o.order_no,b.ISBN from orders o inner join book b on b.ISBN=o.ISBN inner join customer c on c.cust_no=o.cust_no where b.title="The shining";

+-----+	+-----+	+-----+	
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cust_no	order_no	ISBN	
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+-----+	+-----+	+-----+	
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7	9	1122-3325	
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+-----+	+-----+	+-----+	
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1 row in set (0.00 sec)

mysql> select c.cust_company from customer c inner join orders o on c.cust_no=o.cust_no where odate like "2015%";

+-----+	
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```
| cust_company |
```

```
+-----+
```

```
| BJP      |
```

```
| bcd      |
```

```
+-----+
```

2 rows in set (0.00 sec)

```
mysql> create view complex_view as select
author.author_no,author.author_name,book.title,book.ISBN from author left join book on
author.author_no=book.author_no;
```

Query OK, 0 rows affected (0.21 sec)

```
mysql> create view simple_customer_view as select
customer.cust_no,customer.cust_fname,customer.cust_lname,customer.cust_company from
customer;
```

Query OK, 0 rows affected (0.18 sec)

```
mysql> insert into simple_customer_view values(11,"hvjhd","gvjhw","jyjyjd");
```

Query OK, 1 row affected (0.15 sec)

```
mysql> update simple_customer_view set cust_fname="Sham",cust_lname="Kulkarni" where
cust_no=11;
```

Query OK, 1 row affected (0.08 sec)

Rows matched: 1 Changed: 1 Warnings: 0

```
mysql> delete from simple_customer_view where cust_no=11;
```

Query OK, 1 row affected (0.20 sec)

```
mysql> drop view simple_customer_view;
```

Query OK, 0 rows affected (0.52 sec)