

Assignment No : 8

```
mysql> show tables;
```

```
+-----+  
| Tables_in_store |  
+-----+  
| i_orders      |  
| orders        |  
| customers      |  
+-----+
```

3 rows in set (0.00 sec)

```
mysql> desc orders;
```

```
+-----+-----+-----+-----+-----+-----+  
| Field | Type   | Null | Key | Default | Extra          |  
+-----+-----+-----+-----+-----+-----+  
| u_id  | int    | YES  | MUL | NULL    |                |  
| u_name | varchar(20) | YES  |    | NULL    |                |  
| o_id  | int    | NO   | PRI | NULL    | auto_increment |  
| item  | varchar(30) | YES  |    | NULL    |                |  
| price | int    | YES  |    | NULL    |                |  
| address | varchar(20) | YES  |    | NULL    |                |  
| o_date | date   | YES  |    | NULL    |                |  
+-----+-----+-----+-----+-----+-----+
```

7 rows in set (0.00 sec)

```
mysql> select * from orders;
```

```
+-----+-----+-----+-----+-----+-----+-----+  
| u_id | u_name | o_id | item   | price | address | o_date |  
+-----+-----+-----+-----+-----+-----+-----+  
| 100 | Rahul | 1 | brush | 20 | pune | 2023-05-08 |
```

100	Rahul	3	shirt	1000	pune	2023-05-08
101	Neha	4	shirt	1000	nagpur	2023-05-08
101	Neha	5	jeans	50000	nagpur	2023-05-08
102	Simran	6	blue jeans	2500	pune	2023-05-08
102	Simran	1002	apple 7	40000	pune	2023-05-08

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

6 rows in set (0.00 sec)

```
mysql> desc i_orders;
```

Field	Type	Null	Key	Default	Extra
o_id	int	YES		NULL	
item	varchar(20)	YES		NULL	
quantity	int	YES		NULL	

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

3 rows in set (0.00 sec)

```
mysql> select * from i_orders;
```

o_id	item	quantity
1	brush	5
2	jacket	7
4	shirt	1
6	blue jeans	2
8	apple 7	2

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

5 rows in set (0.00 sec)

```
mysql> desc customers;
```

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

Field	Type	Null	Key	Default	Extra
u_id	int	NO	PRI	NULL	
u_name	varchar(20)	YES		NULL	

2 rows in set (0.00 sec)

```
mysql> select * from customers
```

u_id	u_name
100	Rahul
101	Neha
102	Simran

3 rows in set (0.00 sec)

Q. Create view to display customer orders

```
mysql> create view cust_orders as select customers.u_id,
customers.u_name,orders.o_id,orders.item,orders.price from orders inner join customers on
orders.u_id= customers.u_id;
```

Query OK, 0 rows affected (0.01 sec)

```
mysql> select * from cust_orders;
```

u_id	u_name	o_id	item	price
100	Rahul	1	brush	20
100	Rahul	3	shirt	1000
101	Neha	4	shirt	1000
101	Neha	5	jeans	50000
102	Simran	6	blue jeans	2500

```
| 102 | Simran | 1002 | apple 7 | 40000 |
```

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

6 rows in set (0.01 sec)

Q. Create view to display record of a specific customer

```
mysql> create view specific_cust_order as select * from orders where u_name='simran';
```

Query OK, 0 rows affected (0.01 sec)

```
mysql> select * from specific_cust_order;
```

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

```
| u_id | u_name | o_id | item    | price | address | o_date |
```

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

```
| 102 | Simran | 6 | blue jeans | 2500 | pune | 2023-05-08 |
```

```
| 102 | Simran | 1002 | apple 7 | 40000 | pune | 2023-05-08 |
```

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

2 rows in set (0.00 sec)

Q. Create view to display record customers in descending order

```
mysql> create view cust_orders_desc as select customers.u_id,customers.u_name,orders.price from customers inner join orders on customers.u_id=orders.u_id order by price desc;
```

Query OK, 0 rows affected (0.00 sec)

```
mysql> select * from cust_orders_desc;
```

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

```
| u_id | u_name | price |
```

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

```
| 101 | Neha | 50000 |
```

```
| 102 | Simran | 40000 |
```

```
| 102 | Simran | 2500 |
```

```
| 100 | Rahul | 1000 |
```

```
| 101 | Neha | 1000 |
```

100	Rahul	20
-----	-------	----

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

6 rows in set (0.00 sec)

```
mysql> create view pune_customers as select customers.u_id,customers.u_name,orders.address
from customers,orders where orders.address='pune';
```

Query OK, 0 rows affected (0.00 sec)

Q. Create view to display record of customers in whos address is pune

```
mysql> select * from pune_customers;
```

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

u_id	u_name	address
------	--------	---------

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

100	Rahul	pune
-----	-------	------

100	Rahul	pune
-----	-------	------

100	Rahul	pune
-----	-------	------

100	Rahul	pune
-----	-------	------

101	Neha	pune
-----	------	------

101	Neha	pune
-----	------	------

101	Neha	pune
-----	------	------

101	Neha	pune
-----	------	------

102	Simran	pune
-----	--------	------

102	Simran	pune
-----	--------	------

102	Simran	pune
-----	--------	------

102	Simran	pune
-----	--------	------

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

12 rows in set (0.00 sec)

```
mysql> drop view pune_customers;
```

Query OK, 0 rows affected (0.01 sec)

Q. Create view to display record of customers in whos address is pune

```
mysql> create view after_discount as select customers.u_id,customers.u_name,orders.price from customers,orders;
```

Query OK, 0 rows affected (0.01 sec)

```
mysql> update after_discount set price=price-((price*5)/100) where price>10000;
```

Query OK, 2 rows affected (0.01 sec)

Rows matched: 2 Changed: 2 Warnings: 0

```
mysql> select * from after_discount;
```

```
+-----+-----+-----+
| u_id | u_name | price |
+-----+-----+-----+
| 102 | Simran | 20 |
| 101 | Neha | 20 |
| 100 | Rahul | 20 |
| 102 | Simran | 1000 |
| 101 | Neha | 1000 |
| 100 | Rahul | 1000 |
| 102 | Simran | 1000 |
| 101 | Neha | 1000 |
| 100 | Rahul | 1000 |
| 102 | Simran | 47500 |
| 101 | Neha | 47500 |
| 100 | Rahul | 47500 |
| 102 | Simran | 2500 |
| 101 | Neha | 2500 |
| 100 | Rahul | 2500 |
| 102 | Simran | 38000 |
| 101 | Neha | 38000 |
| 100 | Rahul | 38000 |
+-----+-----+-----+
```

18 rows in set (0.00 sec)

Create View

```
mysql> create view cust_info as select u_id,u_name from orders;
```

Query OK, 0 rows affected (0.01 sec)

```
mysql> select * from cust_info;
```

u_id	u_name
100	Rahul
100	Rahul
101	Neha
101	Neha
102	Simran
102	Simran

6 rows in set (0.00 sec)

Create or Replace View

```
mysql> create or replace view cust_info as select u_id,u_name,address from orders;
```

Query OK, 0 rows affected (0.01 sec)

```
mysql> select * from cust_info;
```

u_id	u_name	address
100	Rahul	pune
100	Rahul	pune
101	Neha	nagpur
101	Neha	nagpur

	102		Simran		pune	
--	-----	--	--------	--	------	--

	102		Simran		pune	
--	-----	--	--------	--	------	--

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

6 rows in set (0.00 sec)

Insert into view

1)mysql> insert into cust_info values(111,'Sam','mumbai');

Query OK, 1 row affected (0.01 sec)

mysql> select * from cust_info;

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

	u_id		u_name		address	
--	------	--	--------	--	---------	--

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

	100		Rahul		pune	
--	-----	--	-------	--	------	--

	100		Rahul		pune	
--	-----	--	-------	--	------	--

	101		Neha		nagpur	
--	-----	--	------	--	--------	--

	101		Neha		nagpur	
--	-----	--	------	--	--------	--

	102		Simran		pune	
--	-----	--	--------	--	------	--

	102		Simran		pune	
--	-----	--	--------	--	------	--

	111		Sam		mumbai	
--	-----	--	-----	--	--------	--

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

7 rows in set (0.00 sec)

2)mysql> insert into cust_info values(123,'James','mumbai');

Query OK, 1 row affected (0.01 sec)

mysql> select * from cust_info;

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

	u_id		u_name		address	
--	------	--	--------	--	---------	--

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

	100		Rahul		pune	
--	-----	--	-------	--	------	--

	100		Rahul		pune	
--	-----	--	-------	--	------	--

	101		Neha		nagpur	
	101		Neha		nagpur	
	102		Simran		pune	
	102		Simran		pune	
	111		Sam		mumbai	
	123		James		mumbai	

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

8 rows in set (0.00 sec)

Update view

1)mysql> update cust_info set u_name='Sammy' where u_name='Sam';

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select * from cust_info;

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

	u_id		u_name		address	
--	------	--	--------	--	---------	--

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

	100		Rahul		pune	
	100		Rahul		pune	
	101		Neha		nagpur	
	101		Neha		nagpur	
	102		Simran		pune	
	102		Simran		pune	
	111		Sammy		mumbai	

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

7 rows in set (0.00 sec)

2)mysql> update cust_info set u_id=007 where u_name='Sammy';

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

```
mysql> select * from cust_info;
```

```
+-----+-----+-----+
| u_id | u_name | address |
+-----+-----+-----+
| 100 | Rahul | pune   |
| 100 | Rahul | pune   |
| 101 | Neha  | nagpur |
| 101 | Neha  | nagpur |
| 102 | Simran | pune   |
| 102 | Simran | pune   |
| 7   | Sammy | mumbai |
+-----+-----+-----+
7 rows in set (0.00 sec)
```

Delete from view

```
mysql> delete from cust_info where u_name='Sammy';
```

Query OK, 1 row affected (0.01 sec)

```
mysql> select * from cust_info;
```

```
+-----+-----+-----+
| u_id | u_name | address |
+-----+-----+-----+
| 100 | Rahul | pune   |
| 100 | Rahul | pune   |
| 101 | Neha  | nagpur |
| 101 | Neha  | nagpur |
| 102 | Simran | pune   |
| 102 | Simran | pune   |
| 123 | James | mumbai |
+-----+-----+-----+
```

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

7 rows in set (0.00 sec)

```
mysql> delete from cust_info where u_name='James';
```

Query OK, 1 row affected (0.01 sec)

```
mysql> select * from cust_info;
```

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

```
| u_id | u_name | address |
```

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

```
| 100 | Rahul | pune |
```

```
| 100 | Rahul | pune |
```

```
| 101 | Neha | nagpur |
```

```
| 101 | Neha | nagpur |
```

```
| 102 | Simran | pune |
```

```
| 102 | Simran | pune |
```

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

6 rows in set (0.00 sec)

Drop View

```
mysql> drop view cust_info;
```

Query OK, 0 rows affected (0.00 sec)

```
mysql> desc cust_info;
```

ERROR 1146 (42S02): Table 'store.cust_info' doesn't exist

Base Table after performing DML operations on View

```
mysql> select * from orders;
```

u_id	u_name	o_id	item	price	address	o_date
100	Rahul	1	brush	20	pune	2023-05-08
100	Rahul	3	shirt	1000	pune	2023-05-08
101	Neha	4	shirt	1000	nagpur	2023-05-08
101	Neha	5	jeans	47500	nagpur	2023-05-08
102	Simran	6	blue jeans	2500	pune	2023-05-08
102	Simran	1002	apple 7	38000	pune	2023-05-08

6 rows in set (0.00 sec)

Insert Record into View

```
mysql> insert into cust_info values(321,'Isha','delhi');
```

Query OK, 1 row affected (0.00 sec)

```
mysql> select * from orders;
```

u_id	u_name	o_id	item	price	address	o_date
100	Rahul	1	brush	20	pune	2023-05-08
100	Rahul	3	shirt	1000	pune	2023-05-08
101	Neha	4	shirt	1000	nagpur	2023-05-08
101	Neha	5	jeans	47500	nagpur	2023-05-08
102	Simran	6	blue jeans	2500	pune	2023-05-08
102	Simran	1002	apple 7	38000	pune	2023-05-08
321	Isha	1006	NULL	NULL	delhi	NULL

7 rows in set (0.00 sec)

Update Record from View

```
mysql> update cust_info set u_name='Ishika' where u_name='Isha';
```

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

```
mysql> select * from orders;
```

u_id	u_name	o_id	item	price	address	o_date
100	Rahul	1	brush	20	pune	2023-05-08
100	Rahul	3	shirt	1000	pune	2023-05-08
101	Neha	4	shirt	1000	nagpur	2023-05-08
101	Neha	5	jeans	47500	nagpur	2023-05-08
102	Simran	6	blue jeans	2500	pune	2023-05-08
102	Simran	1002	apple 7	38000	pune	2023-05-08
321	Ishika	1006	NULL	NULL	delhi	NULL

7 rows in set (0.00 sec)

Delete Record from View

```
mysql> delete from cust_info where u_name='Ishika';
```

Query OK, 1 row affected (0.01 sec)

```
mysql> select * from orders;
```

u_id	u_name	o_id	item	price	address	o_date
100	Rahul	1	brush	20	pune	2023-05-08
100	Rahul	3	shirt	1000	pune	2023-05-08
101	Neha	4	shirt	1000	nagpur	2023-05-08
101	Neha	5	jeans	47500	nagpur	2023-05-08

102	Simran	6	blue jeans	2500	pune	2023-05-08
102	Simran	1002	apple 7	38000	pune	2023-05-08

6 rows in set (0.00 sec)

Drop View

```
mysql> drop view cust_info;
```

Query OK, 0 rows affected (0.01 sec)

```
mysql> select * from orders;
```

u_id	u_name	o_id	item	price	address	o_date
100	Rahul	1	brush	20	pune	2023-05-08
100	Rahul	3	shirt	1000	pune	2023-05-08
101	Neha	4	shirt	1000	nagpur	2023-05-08
101	Neha	5	jeans	47500	nagpur	2023-05-08
102	Simran	6	blue jeans	2500	pune	2023-05-08
102	Simran	1002	apple 7	38000	pune	2023-05-08

6 rows in set (0.00 sec)