MY SQL QUERIES (By Sunitha Mekala)

```
mysql> show databases;
+----+
| Database |
+-----+
| information_schema |
| mydb
| mysql
| nit
| performance_schema |
| sakila
sys
| world
+----+
8 rows in set (0.01 sec)
mysql> use nit;
Database changed
mysql> select * from customers;
+----+
| ID | NAME | AGE | ADDRESS | SALARY |
+---+
| 1 | Ramesh | 32 | Ahmedabad | 2000.00 |
| 2 | Khilan | 25 | Delhi | 1500.00 | | 3 | kaushik | 23 | Kota | 2000.00 | | 4 | Chaitali | 25 | Mumbai | 6500.00 | | 5 | Hardik | 27 | Bhopal | 8500.00 | | 6 | Komal | 22 | MP | 4500.00 | | 7 | Muffy | 24 | Indore | 10000.00 |
+---+
7 rows in set (0.00 sec)
mysql> select * from orders;
Empty set (0.00 sec)
mysql> create table orders(
  -> ;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MySQL server version for the right syntax to use near '' at
line 1
mysql> create table orders(
       DATE datetime,
CUSTOMER_ID in
AMOUNT double,
    -> ID int NOT NULL,
    ->
    ->
           CUSTOMER_ID int references customers(id),
    ->
    ->
          primary key(ID)
    -> );
ERROR 1050 (42S01): Table 'orders' already exists
mysql> insert into orders
    -> values (101, '2009-11-20 00:00:00', 2, 1560),
        (102, '2009-10-08 00:00:00', 3, 3000),
    ->
              (103, '2008-05-20 00:00:00', 4, 2060),
(100, '2009-10-08 00:00:00', 3, 1500);
    ->
    ->
Query OK, 4 rows affected (0.03 sec)
Records: 4 Duplicates: 0 Warnings: 0
mysql> select * from orders;
+----+
| ID | DATE | CUSTOMER_ID | AMOUNT |
+----+----+----+
| 100 | 2009-10-08 00:00:00 | 3 | 1500 |
| 101 | 2009-11-20 00:00:00 | 2 | 1560 |
| 102 | 2009-10-08 00:00:00 | 3 | 3000 |
| 103 | 2008-05-20 00:00:00 | 4 | 2060 |
```

+---+ 7 rows in set (0.00 sec)

| 7 | Muffy

mysql> SELECT ID, NAME, AGE, AMOUNT

6 | Komal | 22 | MP

-> FROM CUSTOMERS, ORDERS

| 24 | Indore

-> WHERE CUSTOMERS.ID = ORDERS.CUSTOMER\_ID; ERROR 1052 (23000): Column 'ID' in field list is ambiguous mysql> alter table orders

| 4500.00 |

| 10000.00 |

-> rename column id to OID;

Query OK, 0 rows affected (0.06 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> select \* from orders;

++	CUSTOMER_ID	AMOUNT
100   2009-10-08 00:00:00     101   2009-11-20 00:00:00     102   2009-10-08 00:00:00     103   2008-05-20 00:00:00	3   2   3   4	1500   1560   3000

4 rows in set (0.00 sec)

mysql> SELECT ID, NAME, AGE, AMOUNT

- -> FROM CUSTOMERS, ORDERS
  - -> WHERE CUSTOMERS.ID = ORDERS.CUSTOMER\_ID;

ID	+   NAME +		   AMOUNT
3   2   3   4	kaushik Khilan	23   25   23   25	

4 rows in set (0.00 sec)

mysql> select id, name, amount, date

- -> from customers
- -> left join orders
- -> on customers.id = orders.customer\_id;

+	+		++		_
i	d	name	amount	date	
1	1	Ramesh	NULL	NULL	İ
Ì	2	Khilan	1560	2009-11-20 00:00:00	ĺ
Ì	3	kaushik	3000	2009-10-08 00:00:00	ĺ
Ì	3	kaushik	1500	2009-10-08 00:00:00	ĺ
Ì	4	Chaitali	2060	2008-05-20 00:00:00	ĺ
Ì	5	Hardik	NULL	NULL	ĺ
Ì	6	Komal	NULL	NULL	ĺ
	7	Muffy	NULL	NULL	l

```
8 rows in set (0.00 sec)
mysql> select id, name, amount, date
    -> from customers
    -> right join orders
    -> on customers.id = orders.customer_id;
+----+
| id | name | amount | date
+----+
    3 | kaushik | 1500 | 2009-10-08 00:00:00 |
   2 | Khilan | 1560 | 2009-11-20 00:00:00 |
3 | kaushik | 3000 | 2009-10-08 00:00:00 |
    4 | Chaitali | 2060 | 2008-05-20 00:00:00 |
+----+
4 rows in set (0.00 sec)
mysql> SELECT ID, NAME, AMOUNT, DATE
   -> FROM CUSTOMERS
    ->
           FULL JOIN ORDERS
   -> ON CUSTOMERS.ID = ORDERS.CUSTOMER_ID;
ERROR 1054 (42S22): Unknown column 'CUSTOMERS.ID' in 'on clause'
mvsql> select * from customers;
+---+----
| ID | NAME | AGE | ADDRESS | SALARY |
+---+
| 1 | Ramesh | 32 | Ahmedabad | 2000.00 | | 2 | Khilan | 25 | Delhi | 1500.00 | | 3 | kaushik | 23 | Kota | 2000.00 | | 4 | Chaitali | 25 | Mumbai | 6500.00 | | 5 | Hardik | 27 | Bhopal | 8500.00 | | 6 | Komal | 22 | MP | 4500.00 | | 7 | Muffy | 24 | Indore | 10000.00 |
+---+----+
7 rows in set (0.00 sec)
mysql> select * from orders;
+----+
OID | DATE | CUSTOMER_ID | AMOUNT |
+----+----+----+
| 100 | 2009-10-08 00:00:00 | 3 | 1500 |
| 101 | 2009-11-20 00:00:00 | 2 | 1560 |
| 102 | 2009-10-08 00:00:00 | 3 | 3000 |
| 103 | 2008-05-20 00:00:00 | 4 | 2060 |
+----+
4 rows in set (0.00 sec)
mysql> select id, name, amount, date
    -> from customers
    -> full join orders
    -> on customers.id = orders.customer_id;
ERROR 1054 (42S22): Unknown column 'customers.id' in 'on clause'
mysql> SELECT ID, NAME, AMOUNT, DATE
    ->
         FROM CUSTOMERS
    ->
           LEFT JOIN ORDERS
    -> ON CUSTOMERS.ID = ORDERS.CUSTOMER_ID
    -> UNION ALL
    -> SELECT ID, NAME, AMOUNT, DATE
    ->
           FROM CUSTOMERS
   -> RIGHT JOIN ORDERS
-> ON CUSTOMERS.ID = ORDERS.CUSTOMER_ID;
+----+
| ID | NAME | AMOUNT | DATE
```

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

```
1 | Ramesh
                  NULL | NULL
                  1560 | 2009-11-20 00:00:00
3000 | 2009-10-08 00:00:00
1500 | 2009-10-08 00:00:00
 2 | Khilan
 3 | kaushik
 3 | kaushik
 4 | Chaitali |
                  2060 | 2008-05-20 00:00:00
 5 | Hardik
                  NULL | NULL
 6 | Komal
                  NULL | NULL
 7 | Muffy
                  NULL | NULL
                  1500 | 2009-10-08 00:00:00 |
 3 | kaushik
                  1560 | 2009-11-20 00:00:00 |
 2 | Khilan |
                  3000 | 2009-10-08 00:00:00 |
 3 | kaushik |
 4 | Chaitali | 2060 | 2008-05-20 00:00:00 |
```

12 rows in set (0.00 sec)

mysql> SELECT a.ID, b.NAME, a.SALARY
-> FROM CUSTOMERS a, CUSTOMERS b

-> WHERE a.SALARY < b.SALARY;

ID	NAME	SALARY
2	Ramesh	1500.00
2	kaushik	1500.00
6	Chaitali	4500.00
3	Chaitali	2000.00
2	Chaitali	1500.00
1	Chaitali	2000.00
6	Hardik	4500.00
4	Hardik	6500.00
3	Hardik	2000.00
2	Hardik	1500.00
1	Hardik	2000.00
3	Komal	2000.00
2	Komal	1500.00
1	Komal	2000.00
6	Muffy	4500.00
5	Muffy	8500.00
4	Muffy	6500.00
3	Muffy	2000.00
2	Muffy	1500.00
1	Muffy	2000.00

20 rows in set (0.00 sec)

+		+		<b></b>	+
į	ID	NAME	AMOUNT	DATE	
i	1	Ramesh	2060	2008-05-20	00:00:00
i	1	Ramesh	3000	2009-10-08	00:00:00
İ	1	Ramesh	1560	2009-11-20	00:00:00
Ĺ	1	Ramesh	1500	2009-10-08	00:00:00
ĺ	2	Khilan	2060	2008-05-20	00:00:00
	2	Khilan	3000	2009-10-08	00:00:00
	2	Khilan	1560	2009-11-20	00:00:00
	2	Khilan	1500	2009-10-08	00:00:00
	3	kaushik	2060	2008-05-20	00:00:00
	3	kaushik	3000	2009-10-08	00:00:00
	3	kaushik	1560	2009-11-20	00:00:00
	3	kaushik	1500	2009-10-08	00:00:00
	4	Chaitali	2060	2008-05-20	00:00:00
	4	Chaitali	3000	2009-10-08	00:00:00
	4	Chaitali	1560	2009-11-20	00:00:00

```
4 | Chaitali | 1500 | 2009-10-08 00:00:00
    5 | Hardik |
                             2060 | 2008-05-20 00:00:00
   5 | Hardik | 2000 | 2009-10-08 00:00:00 | 5 | Hardik | 1560 | 2009-11-20 00:00:00 | 5 | Hardik | 1500 | 2009-10-08 00:00:00 | 6 | Komal | 2060 | 2008-05-20 00:00:00 | 6 | Komal | 3000 | 2009-10-08 00:00:00 | 6 | Komal | 1560 | 2009-11-20 00:00:00 | 6 | Komal | 1500 | 2009-10-08 00:00:00 | 7 | Muffy | 2060 | 2008-05-20 00:00:00 | 7 | Muffy | 3000 | 2009-10-08 00:00:00
    7 | Muffy | 3000 | 2009-10-08 00:00:00
    7 | Muffy | 1560 | 2009-11-20 00:00:00 | 7 | Muffy | 1500 | 2009-10-08 00:00:00 |
+---+-----+
28 rows in set (0.00 sec)
mysql> SELECT ID, NAME, AMOUNT, DATE
     ->
                 FROM CUSTOMERS
      ->
                 LEFT JOIN ORDERS
      ->
                 ON CUSTOMERS.ID = ORDERS.CUSTOMER_ID
      -> UNION
                 SELECT ID, NAME, AMOUNT, DATE
                 FROM CUSTOMERS
      ->
                 RIGHT JOIN ORDERS
      ->
                 ON CUSTOMERS.ID = ORDERS.CUSTOMER_ID;
+----+-----+----+
| ID | NAME | AMOUNT | DATE
+----+-----
       1 | Ramesh | NULL | NULL
      1 | Ramesh | NULL | NULL

2 | Khilan | 1560 | 2009-11-20 00:00:00

3 | kaushik | 3000 | 2009-10-08 00:00:00

3 | kaushik | 1500 | 2009-10-08 00:00:00

4 | Chaitali | 2060 | 2008-05-20 00:00:00

5 | Hardik | NULL | NULL

6 | Komal | NULL | NULL

7 | Muffy | NULL | NULL
+----+----
8 rows in set (0.00 \text{ sec})
mysql> SELECT ID, NAME, AMOUNT, DATE
      ->
                 FROM CUSTOMERS
                 LEFT JOIN ORDERS
      ->
      ->
                 ON CUSTOMERS.ID = ORDERS.CUSTOMER_ID
      -> UNION ALL
      ->
          SELECT ID, NAME, AMOUNT, DATE
      ->
                 FROM CUSTOMERS
                 RIGHT JOIN ORDERS
      ->
      ->
                 ON CUSTOMERS.ID = ORDERS.CUSTOMER_ID;
+----+
| ID | NAME | AMOUNT | DATE
+----+-----
       1 | Ramesh | NULL | NULL
       2 | Khilan | 1560 | 2009-11-20 00:00:00

3 | kaushik | 3000 | 2009-10-08 00:00:00

3 | kaushik | 1500 | 2009-10-08 00:00:00

4 | Chaitali | 2060 | 2008-05-20 00:00:00

5 | Hardik | NULL | NULL
       6 | Komal | NULL | NULL | NULL | 7 | Muffy | NULL | NULL | NULL | 3 | kaushik | 1500 | 2009-10-08 00:00:00 | 2 | Khilan | 1560 | 2009-11-20 00:00:00 | 3 | kaushik | 3000 | 2009-10-08 00:00:00 |
       4 | Chaitali | 2060 | 2008-05-20 00:00:00 |
```

4 rows in set (0.00 sec)

```
mysql> SELECT ID, NAME, AMOUNT, DATE
   -> FROM CUSTOMERS
    ->
          LEFT JOIN ORDERS
    ->
          ON CUSTOMERS.ID = ORDERS.CUSTOMER ID
    -> INTERSECT
    -> SELECT ID, NAME, AMOUNT, DATE
    ->
          FROM CUSTOMERS
         RIGHT JOIN ORDERS
    ->
   ->
         ON CUSTOMERS.ID = ORDERS.CUSTOMER_ID;
+---+----+
| ID | NAME | AMOUNT | DATE
+---+
| 2 | Khilan | 1560 | 2009-11-20 00:00:00 |
| 3 | kaushik | 3000 | 2009-10-08 00:00:00 |
 3 | kaushik | 1500 | 2009-10-08 00:00:00 |
| 4 | Chaitali | 2060 | 2008-05-20 00:00:00 |
+---+----+
4 rows in set (0.00 sec)
mysql> SELECT ID, NAME, AMOUNT, DATE
         FROM CUSTOMERS
           LEFT JOIN ORDERS
    ->
   ->
          ON CUSTOMERS.ID = ORDERS.CUSTOMER_ID
    -> EXCEPT
    -> SELECT ID, NAME, AMOUNT, DATE
    ->
         FROM CUSTOMERS
   ->
         RIGHT JOIN ORDERS
   ->
         ON CUSTOMERS.ID = ORDERS.CUSTOMER_ID;
+---+
| ID | NAME | AMOUNT | DATE |
+---+
 1 | Ramesh | NULL | NULL |
5 | Hardik | NULL | NULL |
6 | Komal | NULL | NULL |
7 | Muffy | NULL | NULL |
+---+
4 rows in set (0.00 sec)
mysql> select * from customers;
+---+
| ID | NAME | AGE | ADDRESS | SALARY |
+---+----+
| 1 | Ramesh | 32 | Ahmedabad | 2000.00 | | 2 | Khilan | 25 | Delhi | 1500.00 | | 3 | kaushik | 23 | Kota | 2000.00 | | 4 | Chaitali | 25 | Mumbai | 6500.00 | | 5 | Hardik | 27 | Bhopal | 8500.00 | | 6 | Komal | 22 | MP | 4500.00 | | 7 | Muffy | 24 | Indore | 10000.00 |
+---+
7 rows in set (0.00 \text{ sec})
mysql> select * from orders;
+----+
+----+----+----+
| 100 | 2009-10-08 00:00:00 | 3 | 1500 |
| 101 | 2009-11-20 00:00:00 | 2 | 1560 |
| 102 | 2009-10-08 00:00:00 | 3 | 3000 |
| 102 | 2009-10-08 00:00:00 |
                                   3 | 3000 |
103 | 2008-05-20 00:00:00 | 4 | 2060 |
+----+
```

mysql> desc customers;

Field	Туре	•	Key	Default	Extra
ID   NAME   AGE   ADDRESS   SALARY	int   varchar(20)   int   varchar(25)   decimal(18,2)	NO   NO   NO   YES   YES	PRI     	NULL NULL NULL NULL NULL	

5 rows in set (0.00 sec)

mysql> desc orders;

+	+	<del>-</del>	<del>-</del>	<del>-</del>	<del></del>
Field	Type +			Default	
OID   DATE	int   datetime   int	•	PRI   	NULL NULL NULL NULL	

4 rows in set (0.00 sec)

mysql> SELECT ID, NAME, AGE, ADDRESS, SALARY

- -> FROM CUSTOMERS
- -> WHERE SALARY IS NOT NULL;

_		L	L	L <b>.</b>	L	L
	ID	NAME	AGE	ADDRESS	SALARY	
	1 2 3 4 5 6 7	Ramesh   Khilan   kaushik   Chaitali   Hardik   Komal   Muffy	32   25   23   25   27   22	Ahmedabad Delhi Kota Mumbai Bhopal MP Indore	2000.00   1500.00   2000.00   6500.00   8500.00   4500.00   10000.00	

7 rows in set (0.00 sec)

mysql> SELECT ID, NAME, AGE, ADDRESS, SALARY

- -> FROM CUSTOMERS
- -> WHERE SALARY IS NULL;

Empty set (0.00 sec)

mysql> SELECT ID, NAME, AGE, ADDRESS, SALARY

- -> FROM CUSTOMERS
- -> WHERE NAME IS NOT NULL;

ID   NAME	<b>4</b>	<b>_</b>	L 1	L	<u> </u>
2   Khilan   25   Delhi   1500.00   3   kaushik   23   Kota   2000.00   4   Chaitali   25   Mumbai   6500.00   5   Hardik   27   Bhopal   8500.00   6   Komal   22   MP   4500.00	ID	NAME	AGE	ADDRESS	SALARY
	3   4   5	Khilan   kaushik   Chaitali   Hardik   Komal	25   23   25   27   22	Delhi Kota Mumbai Bhopal	1500.00     2000.00     6500.00     8500.00     4500.00

7 rows in set (0.00 sec)

mysql> SELECT ID, NAME, AGE, ADDRESS, SALARY

- -> FROM CUSTOMERS
- -> WHERE NAME IS NULL;

```
mysql> SELECT C.ID, C.NAME, C.AGE, O.AMOUNT -> FROM CUSTOMERS AS C, ORDERS AS O
```

-> WHERE C.ID = 0.CUSTOMER\_ID;

4 rows in set (0.00 sec)

mysql> SELECT ID AS CUSTOMER\_ID, NAME AS CUSTOMER\_NAME

-> FROM CUSTOMERS

-> WHERE SALARY IS NOT NULL;

+	++   CUSTOMER_NAME   ++
1	Ramesh
2	Khilan
3	kaushik
4	Chaitali
5	Hardik
6	Komal
7	Muffy

7 rows in set (0.00 sec)

mysql> ^C

mysql> ALTER TABLE CUSTOMERS ADD SEX char(1);

Query OK, 0 rows affected (0.06 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> select \* from customers;

ID   NAME	AGE	ADDRESS	SALARY	SEX
1   Ramesh   2   Khilan   3   kaushik   4   Chaitali   5   Hardik   6   Komal   7   Muffy	32   25   23   25   27   22   24	Ahmedabad   Delhi   Kota   Mumbai   Bhopal   MP   Indore	2000.00   1500.00   2000.00   6500.00   8500.00   4500.00   10000.00	NULL   NULL   NULL   NULL   NULL   NULL

7 rows in set (0.00 sec)

mysql> alter table customers drop column sex; Query OK, 0 rows affected (0.05 sec) Records: 0 Duplicates: 0 Warnings: 0

mysql> select \* from customers;

	<b>.</b>		+		L
ID	NAME	AGE	ADDRESS	SALARY	
1   2   3   4	Ramesh   Khilan   kaushik   Chaitali   Hardik	32   25   23	Ahmedabad   Delhi   Kota   Mumbai	2000.00   1500.00   2000.00   6500.00   8500.00	-         
•	Komal	•	MP	4500.00	İ

```
| 7 | Muffy | 24 | Indore | 10000.00 |
+---+
7 rows in set (0.00 sec)
mysql> create view customers_view as
   -> select name, age from customers;
Query OK, 0 rows affected (0.04 sec)
mysql> select * from customers_view;
+----+
+----+
| Ramesh | 32 |
| Khilan | 25 |
| kaushik | 23 |
| Chaitali | 25 |
+----+
7 rows in set (0.00 \text{ sec})
mysql> select * from customers group by age having count(age) >= 2;
ERROR 1055 (42000): Expression #1 of SELECT list is not in GROUP BY clause and
contains nonaggregated column 'nit.customers.ID' which is not functionally
dependent on columns in GROUP BY clause; this is incompatible with
sql_mode=only_full_group_by
mysql> delete from customers where age = 27;
Query OK, 1 row affected (0.01 sec)
mysql> commit;
Query OK, 0 rows affected (0.00 sec)
mysql> select * from customers;
+---+----+
| ID | NAME | AGE | ADDRESS | SALARY |
+---+
| 1 | Ramesh | 32 | Ahmedabad | 2000.00 |
| 2 | Khilan | 25 | Delhi | 1500.00 |
| 3 | kaushik | 23 | Kota | 2000.00 |
| 4 | Chaitali | 25 | Mumbai | 6500.00 |
| 6 | Komal | 22 | MP | 4500.00 |
| 7 | Muffy | 24 | Indore | 10000.00 |
+---+----+
6 rows in set (0.00 sec)
mysql> rollback;
Query OK, 0 rows affected (0.00 sec)
mysql> select * from customers;
+---+
| ID | NAME | AGE | ADDRESS | SALARY |
+---+
| 1 | Ramesh | 32 | Ahmedabad | 2000.00 |
| 2 | Khilan | 25 | Delhi | 1500.00 | | 3 | kaushik | 23 | Kota | 2000.00 | | 4 | Chaitali | 25 | Mumbai | 6500.00 | | 6 | Komal | 22 | MP | 4500.00 | | 7 | Muffy | 24 | Indore | 10000.00 | |
6 rows in set (0.00 sec)
```

mysql> delete from customers where age = 27;

Query OK, 0 rows affected (0.00 sec)

```
mysql> rollback;
Query OK, 0 rows affected (0.00 sec)
mysql> select * from customers;
+---+----+
| ID | NAME | AGE | ADDRESS | SALARY |
+---+
| 1 | Ramesh | 32 | Ahmedabad | 2000.00 |
| 2 | Khilan | 25 | Delhi | 1500.00 |
| 3 | kaushik | 23 | Kota | 2000.00 |
| 4 | Chaitali | 25 | Mumbai | 6500.00 |
| 6 | Komal | 22 | MP | 4500.00 |
| 7 | Muffy | 24 | Indore | 10000.00 |
+---+
6 rows in set (0.00 sec)
mysql> insert into customers
    -> values (5,"Hardik",27,"Bhopal",8500);
Query OK, 1 row affected (0.01 sec)
mysql> select * from customers;
+---+
| ID | NAME | AGE | ADDRESS | SALARY |
+---+
| 1 | Ramesh | 32 | Ahmedabad | 2000.00 |
| 2 | Khilan | 25 | Delhi | 1500.00 |
| 3 | kaushik | 23 | Kota | 2000.00 |
| 4 | Chaitali | 25 | Mumbai | 6500.00 |
| 5 | Hardik | 27 | Bhopal | 8500.00 |
| 6 | Komal | 22 | MP | 4500.00 |
| 7 | Muffy | 24 | Indore | 10000.00 |
+---+----+
7 rows in set (0.00 sec)
mysql> delete from customers where age = 27;
Query OK, 1 row affected (0.01 sec)
mysql> rollback;
Query OK, 0 rows affected (0.00 sec)
mysql> select * from customers;
+---+
| ID | NAME | AGE | ADDRESS | SALARY |
+---+
| 1 | Ramesh | 32 | Ahmedabad | 2000.00 | | 2 | Khilan | 25 | Delhi | 1500.00 | | 3 | kaushik | 23 | Kota | 2000.00 | | 4 | Chaitali | 25 | Mumbai | 6500.00 | | 6 | Komal | 22 | MP | 4500.00 | | 7 | Muffy | 24 | Indore | 10000.00 |
+---+
6 rows in set (0.00 sec)
mysql> insert into customers
    -> values (5, "Hardik", 27, "Bhopal", 8500);
Query OK, 1 row affected (0.05 sec)
mysql> select * from customers;
+---+----+----+
| ID | NAME | AGE | ADDRESS | SALARY |
+---+
1 | Ramesh | 32 | Ahmedabad | 2000.00 |
| 2 | Khilan | 25 | Delhi | 1500.00 |
```

```
| 3 | kaushik | 23 | Kota | 2000.00 |
| 4 | Chaitali | 25 | Mumbai | 6500.00 |
| 5 | Hardik | 27 | Bhopal | 8500.00 |
| 6 | Komal | 22 | MP | 4500.00 |
| 7 | Muffy | 24 | Indore | 10000.00 |
+---+
7 rows in set (0.00 sec)
mysql> set autocommit = off;
Query OK, 0 rows affected (0.00 sec)
mysql> commit;
Query OK, 0 rows affected (0.00 sec)
mysql> select * from customers;
+---+
| ID | NAME | AGE | ADDRESS | SALARY |
+----+
| 1 | Ramesh | 32 | Ahmedabad | 2000.00 | | 2 | Khilan | 25 | Delhi | 1500.00 | | 3 | kaushik | 23 | Kota | 2000.00 | | 4 | Chaitali | 25 | Mumbai | 6500.00 | | 5 | Hardik | 27 | Bhopal | 8500.00 | | 6 | Komal | 22 | MP | 4500.00 | | 7 | Muffy | 24 | Indore | 10000.00 |
+---+
7 rows in set (0.00 sec)
mysql> delete from customers where age = 27;
Query OK, 1 row affected (0.00 sec)
mysql> rollback;
Query OK, 0 rows affected (0.01 sec)
mysql> select * from customers;
+---+
| ID | NAME | AGE | ADDRESS | SALARY |
+---+----+
| 1 | Ramesh | 32 | Ahmedabad | 2000.00 | | 2 | Khilan | 25 | Delhi | 1500.00 | | 3 | kaushik | 23 | Kota | 2000.00 | | 4 | Chaitali | 25 | Mumbai | 6500.00 | | 5 | Hardik | 27 | Bhopal | 8500.00 | | 6 | Komal | 22 | MP | 4500.00 | | 7 | Muffy | 24 | Indore | 10000.00 |
7 rows in set (0.00 sec)
mysql> set autocommit = on;
Query OK, 0 rows affected (0.00 sec)
mysql> commit
    -> ;
Query OK, 0 rows affected (0.00 sec)
mysql> delete from customers where age = 27;
Query OK, 1 row affected (0.01 sec)
mysql> select * from customers;
+---+----+
| ID | NAME | AGE | ADDRESS | SALARY |
+---+
1 | Ramesh | 32 | Ahmedabad | 2000.00 |
| 2 | Khilan | 25 | Delhi | 1500.00 |
```

```
| 3 | kaushik | 23 | Kota | 2000.00 |
| 4 | Chaitali | 25 | Mumbai | 6500.00 |
| 6 | Komal | 22 | MP | 4500.00 |
| 7 | Muffy | 24 | Indore | 10000.00 |
```

6 rows in set (0.00 sec)

mysql> rollback;

Query OK, 0 rows affected (0.00 sec)

mysql> select \* from customers;

++	+ <del>+</del>	ADDDECC	++ L CALADY -
ID   NAME	AGE    +	ADDRESS	SALARY   ++
1   Ramesh	32	Ahmedabad	2000.00
2   Khilan	25	Delhi	1500.00
3   kaushik	23	Kota	2000.00
4   Chaitali	25	Mumbai	6500.00
6   Komal	22	MP	4500.00
7   Muffy	24	Indore	10000.00

6 rows in set (0.00 sec)

mysql> insert into customers
 -> values (5,"Hardik",27,"Bhopal",8500);
Query OK, 1 row affected (0.01 sec)

mysql> select \* from customers;

ID   NAME	AGE	ADDRESS	SALARY
1   Ramesh   2   Khilan   3   kaushik   4   Chaitali   5   Hardik   6   Komal   7   Muffy	32     25     23     25     27     22     24	Ahmedabad Delhi Kota Mumbai Bhopal MP Indore	2000.00   1500.00   2000.00   6500.00   8500.00   4500.00

7 rows in set (0.00 sec)

mysql> set autocommit = off; Query OK, 0 rows affected (0.00 sec)

mysql> commit;

Query OK, 0 rows affected (0.00 sec)

mysql> delete from customers where age = 27; Query OK, 1 row affected (0.00 sec)

mysql> rollback;

Query OK, 0 rows affected (0.01 sec)

mysql> select \* from customers;

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ID	NAME		ADDRESS	SALARY	
1	Ramesh	32	Ahmedabad	2000.00	İ
2	Khilan	25	Delhi	1500.00	ĺ
j 3	kaushik	23	Kota	2000.00	İ
4	Chaitali	25	Mumbai	6500.00	Ĺ
5	Hardik	27	Bhopal	8500.00	ĺ
6	Komal	22	MP	4500.00	İ
7	Muffy	24	Indore	10000.00	İ

```
+---+
7 rows in set (0.00 \text{ sec})
mysql> savepoint sp1;
Query OK, 0 rows affected (0.00 sec)
mysql> delete * from customers where id = 1;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MySQL server version for the right syntax to use near '*
from customers where id = 1' at line 1
mysql> delete from customers where id = 1;
Query OK, 1 row affected (0.00 sec)
mysql> savepoint sp2;
Query OK, 0 rows affected (0.00 sec)
mysql> delete * from customers where id = 2;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MySQL server version for the right syntax to use near '*
from customers where id = 2' at line 1
mysql> delete from customers where id = 2;
Query OK, 1 row affected (0.00 sec)
mysql> savepoint sp3;
Query OK, 0 rows affected (0.00 sec)
mysgl> delete from customers where id = 3;
Query OK, 1 row affected (0.00 sec)
mysql> rollback to sp2;
Query OK, 0 rows affected (0.00 sec)
mysql> select * from customers;
+---+
| ID | NAME | AGE | ADDRESS | SALARY |
+---+----+
 2 | Khilan | 25 | Delhi | 1500.00 |

3 | kaushik | 23 | Kota | 2000.00 |

4 | Chaitali | 25 | Mumbai | 6500.00 |

5 | Hardik | 27 | Bhopal | 8500.00 |

6 | Komal | 22 | MP | 4500.00 |

7 | Muffy | 24 | Indore | 10000.00 |
+---+
6 rows in set (0.00 sec)
mysql> rollback to sp1;
Query OK, 0 rows affected (0.00 sec)
mysql> select * from customers;
+---+
| ID | NAME | AGE | ADDRESS | SALARY |
+---+
  1 | Ramesh | 32 | Ahmedabad | 2000.00 |
| 2 | Khilan | 25 | Delhi | 1500.00 | | 3 | kaushik | 23 | Kota | 2000.00 | | 4 | Chaitali | 25 | Mumbai | 6500.00 | | 5 | Hardik | 27 | Bhopal | 8500.00 | | 6 | Komal | 22 | MP | 4500.00 | | 7 | Muffy | 24 | Indore | 10000.00 | |
7 rows in set (0.00 sec)
```

mysql> release savepoint sp3;

ERROR 1305 (42000): SAVEPOINT sp3 does not exist

mysql> release savepoint sp1; Query OK, 0 rows affected (0.00 sec)

mysql>