

31 YASHRAJ DEEPAK DEVRAJ DBML 2A

```
MySQL 8.0 Command Line Client

mysql> update account set accnumber=2122 where accname='Duchal Harshad';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> update account set accnumber=2123 where accname='Kamble Sahil';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> update account set accnumber=2124 where accname='Kumbhar Avdhoot';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> update account set accnumber=2125 where accname='Patil Tushar';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> select*from account;
+-----+-----+-----+
| accnumber | accname | accbalance |
+-----+-----+-----+
| 2120 | Gosavi Atharv | 1000000 |
| 2121 | Kubde Abhi | 800000 |
| 2123 | Kamble Sahil | 800000 |
| 2122 | Duchal Harshad | 7500000 |
| 2122 | Kulkarni Shreyas | 710000 |
| 2125 | Patil Tushar | 15000000 |
| 2124 | Kumbhar Avdhoot | 1900000 |
+-----+-----+-----+
7 rows in set (0.00 sec)

mysql>
```

```
MySQL 8.0 Command Line Client

mysql> select*from account;
+-----+-----+-----+
| accnumber | accname | accbalance |
+-----+-----+-----+
| 2120 | Gosavi Atharv | 1000000 |
| 2121 | Kubde Abhi | 800000 |
| 2121 | Kamble Sahil | 800000 |
| 2121 | Duchal Harshad | 7500000 |
| 2122 | Kulkarni Shreyas | 710000 |
| 2122 | Patil Tushar | 15000000 |
| 2123 | Kumbhar Avdhoot | 1900000 |
+-----+-----+-----+
7 rows in set (0.00 sec)

mysql> update account set accnumber=2122 where accname='Duchal Harshad';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> update account set accnumber=2123 where accname='Kamble Sahil';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> update account set accnumber=2124 where accname='Kumbhar Avdhoot';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> update account set accnumber=2125 where accname='Patil Tushar';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> select*from account;
+-----+-----+-----+
| accnumber | accname | accbalance |
+-----+-----+-----+
| 2120 | Gosavi Atharv | 1000000 |
| 2121 | Kubde Abhi | 800000 |
| 2123 | Kamble Sahil | 800000 |
| 2122 | Duchal Harshad | 7500000 |
| 2122 | Kulkarni Shreyas | 710000 |
| 2125 | Patil Tushar | 15000000 |
| 2124 | Kumbhar Avdhoot | 1900000 |
+-----+-----+-----+
7 rows in set (0.00 sec)

mysql> show tables;
+-----+
| Tables_in_siddheshdb |
+-----+
```

```
MySQL 8.0 Command Line Client
mysql> desc product;
+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| pid  | int    | YES  |     | NULL    |          |
| pname | varchar(20) | YES  |     | NULL    |          |
| cname | varchar(20) | YES  |     | NULL    |          |
| qty   | int    | YES  |     | NULL    |          |
+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> select*from product;
Empty set (0.00 sec)

mysql> insert into values(101,'cycle',hero,10),
-> insert into values(101,'cycle',hero,10),^C
mysql> ^C
mysql>
mysql> insert into values(101,'cycle','hero',10),
-> (102,'Computer','Accer',20),
-> (103,'cycle','hercules',5),
-> (104,'Computer','Dell',4),
-> (105,'Car','Tata',5);
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
(102,'Computer','Accer',20),
(103,'cycle','hercul' at line 1
mysql> insert into product values(101,'cycle','hero',10),
-> (102,'Computer','Accer',20),
-> (103,'cycle','hercules',5),
-> (104,'Computer','Dell',4),
-> (105,'Car','Tata',5);
Query OK, 5 rows affected (0.01 sec)
Records: 5  Duplicates: 0  Warnings: 0

mysql> select*from product;
+-----+-----+-----+-----+
| pid | pname | cname | qty |
+-----+-----+-----+-----+
| 101 | cycle | hero  | 10  |
| 102 | Computer | Accer | 20  |
| 103 | cycle | hercules | 5  |
| 104 | Computer | Dell  | 4  |
| 105 | Car | Tata  | 5  |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> commit;
```

```
MySQL 8.0 Command Line Client
mysql> rollback;
Query OK, 0 rows affected (0.00 sec)

mysql> update account set accnumber=2127 where accname='Kumbhar Avdhoot';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> select *from account;
+-----+-----+-----+
| accnumber | accname           | accbalance |
+-----+-----+-----+
| 2120    | Gosavi Atharv      | 10000000   |
| 2121    | Kubde Abhi          | 800000    |
| 2123    | Kamble Sahil        | 800000    |
| 2122    | DUCHAL Harshad       | 7500000   |
| 2122    | Kulkarni Shreyas     | 710000    |
| 2125    | Patil Tushar         | 15000000  |
| 2127    | Kumbhar Avdhoot     | 1900000   |
+-----+-----+-----+
7 rows in set (0.00 sec)

mysql> rollback;
Query OK, 0 rows affected (0.00 sec)

mysql> select *from account;
+-----+-----+-----+
| accnumber | accname           | accbalance |
+-----+-----+-----+
| 2120    | Gosavi Atharv      | 10000000   |
| 2121    | Kubde Abhi          | 800000    |
| 2123    | Kamble Sahil        | 800000    |
| 2122    | DUCHAL Harshad       | 7500000   |
| 2122    | Kulkarni Shreyas     | 710000    |
| 2125    | Patil Tushar         | 15000000  |
| 2127    | Kumbhar Avdhoot     | 1900000   |
+-----+-----+-----+
7 rows in set (0.00 sec)

mysql> update account set accnumber=2126 where accname='Kumbhar Avdhoot';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> rollback;
Query OK, 0 rows affected (0.00 sec)

mysql> select *from account;
+-----+-----+-----+
| accnumber | accname           | accbalance |
+-----+-----+-----+
```

```
MySQL 8.0 Command Line Client

mysql> select *from account;
+-----+-----+-----+
| accnumber | accname | accbalance |
+-----+-----+-----+
| 2120 | Gosavi Atharv | 1000000 |
| 2121 | Kubde Abhi | 800000 |
| 2123 | Kamble Sahil | 800000 |
| 2122 | Dusal Harshad | 7500000 |
| 2122 | Kulkarni Shreyas | 710000 |
| 2125 | Patil Tushar | 15000000 |
| 2126 | Kumbhar Avdhoot | 1900000 |
+-----+-----+-----+
7 rows in set (0.00 sec)

mysql> rollback;
Query OK, 0 rows affected (0.00 sec)

mysql> savepoint s1;
Query OK, 0 rows affected (0.00 sec)

mysql> update account set accnumber=000000000000 where accname='Kumbhar Avdhoot';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> select *from account;
+-----+-----+-----+
| accnumber | accname | accbalance |
+-----+-----+-----+
| 2120 | Gosavi Atharv | 1000000 |
| 2121 | Kubde Abhi | 800000 |
| 2123 | Kamble Sahil | 800000 |
| 2122 | Dusal Harshad | 7500000 |
| 2122 | Kulkarni Shreyas | 710000 |
| 2125 | Patil Tushar | 15000000 |
| 0 | Kumbhar Avdhoot | 1900000 |
+-----+-----+-----+
7 rows in set (0.00 sec)

mysql> rollback to s1;
ERROR 1305 (42000): SAVEPOINT s1 does not exist
mysql> rollback s1;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the r
mysql> rollback to savepoint s1;
ERROR 1305 (42000): SAVEPOINT s1 does not exist
mysql> alter table emp add dob date;
Query OK, 0 rows affected (0.04 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
MySQL 8.0 Command Line Client
+-----+-----+-----+-----+
| empid | empname | salary | dept  | dob   |
+-----+-----+-----+-----+
| 101  | Sid     | 20000 | Aids  | NULL  |
| 102  | Abhi    | 30000 | Aids  | NULL  |
| 103  | Aditya  | 70000 | CS    | NULL  |
| 104  | yash    | 65000 | Entc  | NULL  |
| 105  | Sahil   | 80000 | Aids  | NULL  |
| 106  | Vedant  | 90000 | Entc  | NULL  |
| 107  | Abhi    | 50000 | Aids  | NULL  |
| 108  | Sid     | 45000 | CS    | NULL  |
| 109  | Suyog   | 50000 | Mech  | NULL  |
| 110  | Sahil   | 50000 | Civil  | NULL  |
+-----+-----+-----+-----+
10 rows in set (0.00 sec)

mysql> alter table account add transaction int;
Query OK, 0 rows affected (0.02 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> select *from account;
+-----+-----+-----+-----+
| accnumber | accname      | accbalance | transaction |
+-----+-----+-----+-----+
| 2120    | Gosavi Atharv | 10000000  | NULL       |
| 2121    | Kubde Abhi    | 800000    | NULL       |
| 2123    | Kamble Sahil  | 800000    | NULL       |
| 2122    | Duchal Harshad| 7500000  | NULL       |
| 2122    | Kulkarni Shreyas| 710000  | NULL       |
| 2125    | Patil Tushar  | 15000000  | NULL       |
| 0       | Kumbhar Avdhoot | 1900000  | NULL       |
+-----+-----+-----+-----+
7 rows in set (0.00 sec)

mysql> alter table account drop transaction;
Query OK, 0 rows affected (0.02 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> select *from account;
+-----+-----+-----+
| accnumber | accname      | accbalance |
+-----+-----+-----+
| 2120    | Gosavi Atharv | 10000000  |
| 2121    | Kubde Abhi    | 800000    |
| 2123    | Kamble Sahil  | 800000    |
| 2122    | Duchal Harshad| 7500000  |
| 2122    | Kulkarni Shreyas| 710000  |
| 2125    | Patil Tushar  | 15000000  |
+-----+-----+-----+
```


MySQL 8.0 Command Line Client

```
mysql> drop table account;
Query OK, 0 rows affected (0.02 sec)

mysql> select *from account;
ERROR 1146 (42S02): Table 'siddheshdb.account' doesn't exist
mysql> show tables;
+-----+
| Tables_in_siddheshdb |
+-----+
| emp
| product
+-----+
2 rows in set (0.00 sec)

mysql> alter table emp modify dob varchar(20);
Query OK, 10 rows affected (0.10 sec)
Records: 10  Duplicates: 0  Warnings: 0

mysql> desc emp;
+-----+-----+-----+-----+-----+-----+
| Field | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| empid | int       | YES  |     | NULL    |       |
| empname | varchar(20) | YES  |     | NULL    |       |
| salary | int       | YES  |     | NULL    |       |
| dept  | varchar(20) | YES  |     | NULL    |       |
| dob   | varchar(20) | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> delete from product;
Query OK, 5 rows affected (0.01 sec)

mysql> select *from product;
Empty set (0.00 sec)

mysql> ■
```

2B

```
mysql> select *from customer11;
+-----+-----+-----+-----+-----+-----+-----+-----+
| custno | lastname | firstname | city | state | pin | dob | status |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 1001 | Philip | Atharva | Phaltan | Maharashtra | NULL | 2003-04-25 | Active |
| 1002 | Raut | Harshad | Madha | Karnataka | 223344 | 2002-02-25 | Active |
| 1003 | Kulkarni | Shreyas | Baramati | Maharashtra | 224455 | 2002-09-05 | Active |
| 1004 | Shendge | Vaishnavi | Pune | Maharashtra | 224455 | 2002-09-05 | Passive |
| 1005 | Salve | Selvin | Ahmednagar | Rajasthan | 554466 | 2001-07-04 | Passive |
| 1006 | Patil | ANiket | Mumbai | Karnataka | 776688 | 2002-05-19 | Active |
| 1007 | Tamboli | Alfiya | Malegaon | Rajasthan | 555466 | 2003-07-07 | Active |
| 1008 | Vaidya | Soham | Baramati | Maharashtra | 798978 | 2002-05-19 | Active |
| 1009 | Shaikh | Kaina | Wai | Kerala | 795578 | 2002-05-19 | Active |
| 1010 | Chougule | Yogita | Someshwar | Kerala | 744478 | 2001-04-13 | Passive |
+-----+-----+-----+-----+-----+-----+-----+-----+
10 rows in set (0.01 sec)

mysql> select *from customer;
+-----+-----+-----+-----+-----+-----+-----+
| cid | cname | city | state | pincode | pname | contanct |
+-----+-----+-----+-----+-----+-----+-----+
| 1 | Atharva | phaltan | MH | 415523 | apple | NULL |
| 2 | Vedant | Baramati | MH | 413133 | mercedes | NULL |
| 3 | Harshad | Madha | RJ | 552321 | iphone | NULL |
| 4 | Selvin | Ahmednagar | RJ | 553443 | book | NULL |
| 5 | Rohit | Pnadhare | KN | 557743 | acer | NULL |
| 6 | Kaustubh | Gondavale | MH | 523443 | asus | NULL |
| 7 | Shreyas | malegaon | Goa | 345453 | Laptop | NULL |
| 8 | Abhishek | Dahivadi | MH | 338453 | PC | NULL |
| 9 | Alfiya | Dahivadi | RJ | 338403 | table | NULL |
| 10 | Soham | Taluka | KN | 778767 | Gita | NULL |
+-----+-----+-----+-----+-----+-----+-----+
10 rows in set (0.02 sec)

mysql> select *from product1;
+-----+-----+-----+-----+
| pid | pname | price | quantity |
+-----+-----+-----+-----+
| 1 | apple | 78000 | 8 |
| 2 | mercedes | 5000000 | 7 |
| 3 | iphone | 50000 | 90 |
| 4 | book | 570 | 800 |
| 5 | acer | 45000 | 879 |
| 6 | asus | 48999 | 450 |
| 7 | Laptop | 48967 | 766 |
| 8 | PC | 100000 | 800 |
| 9 | table | 1000 | 140 |
| 10 | Gita | 500 | 1000 |
+-----+-----+-----+-----+
```

```
mysql> select *from product1 order by price desc;
```

pid	pname	price	quantity
2	mercedes	5000000	7
8	PC	100000	800
1	apple	78000	8
3	iphone	50000	90
6	asus	48999	450
7	Laptop	48967	766
5	acer	45000	879
9	table	1000	140
4	book	570	800
10	Gita	500	1000

```
10 rows in set (0.00 sec)
```

```
mysql> select *from product1 order by quantity desc;
```

pid	pname	price	quantity
10	Gita	500	1000
5	acer	45000	879
4	book	570	800
8	PC	100000	800
7	Laptop	48967	766
6	asus	48999	450
9	table	1000	140
3	iphone	50000	90
1	apple	78000	8
2	mercedes	5000000	7

```
10 rows in set (0.00 sec)
```

```
mysql> select *from product1 order by quantity;
```

pid	pname	price	quantity
2	mercedes	5000000	7
1	apple	78000	8
3	iphone	50000	90
9	table	1000	140
6	asus	48999	450
7	Laptop	48967	766
4	book	570	800
8	PC	100000	800

```
mysql> select *from product1 order by quantity;
+-----+-----+-----+
| pid | pname | price | quantity |
+-----+-----+-----+
| 2   | mercedes | 5000000 |      7 |
| 1   | apple    | 78000   |      8 |
| 3   | iphone   | 50000   |     90 |
| 9   | table    | 1000    |    140 |
| 6   | asus     | 48999   |    450 |
| 7   | Laptop   | 48967   |    766 |
| 4   | book     | 570     |    800 |
| 8   | PC       | 100000  |    800 |
| 5   | acer     | 45000   |    879 |
| 10  | Gita     | 500     |   1000 |
+-----+-----+-----+
0 rows in set (0.00 sec)

mysql> select *from product1 order by price;
+-----+-----+-----+
| pid | pname | price | quantity |
+-----+-----+-----+
| 10  | Gita  | 500   | 1000 |
| 4   | book  | 570   | 800  |
| 9   | table | 1000  | 140  |
| 5   | acer  | 45000 | 879  |
| 7   | Laptop | 48967 | 766  |
| 6   | asus  | 48999 | 450  |
| 3   | iphone | 50000 | 90   |
| 1   | apple  | 78000 | 8    |
| 8   | PC    | 100000 | 800 |
| 2   | mercedes | 5000000 | 7 |
+-----+-----+-----+
0 rows in set (0.00 sec)

mysql> select *from product1 where price between 5000 and 100000;
+-----+-----+-----+
| pid | pname | price | quantity |
+-----+-----+-----+
| 1   | apple | 78000 | 8    |
| 3   | iphone | 50000 | 90   |
| 5   | acer  | 45000 | 879  |
| 6   | asus  | 48999 | 450  |
| 7   | Laptop | 48967 | 766  |
| 8   | PC    | 100000 | 800 |
+-----+-----+-----+
0 rows in set (0.00 sec)
```

```
mysql> select min(price) from product1;
+-----+
| min(price) |
+-----+
|      500 |
+-----+
1 row in set (0.00 sec)

mysql> select avg(price) from product1;
+-----+
| avg(price) |
+-----+
| 537303.6000 |
+-----+
1 row in set (0.00 sec)

mysql> select max(price) from product1;
+-----+
| max(price) |
+-----+
| 5000000 |
+-----+
1 row in set (0.00 sec)

mysql> select count(*) from product1;
+-----+
| count(*) |
+-----+
|      10 |
+-----+
1 row in set (0.00 sec)

mysql> select sum(price) from product1;
+-----+
| sum(price) |
+-----+
| 5373036 |
+-----+
1 row in set (0.00 sec)
```

```
+-----+
|      10 |
+-----+
1 row in set (0.00 sec)

mysql> select sum(price) from product1;
+-----+
| sum(price) |
+-----+
|      5373036 |
+-----+
1 row in set (0.00 sec)

mysql> select *from product1;
+-----+-----+-----+-----+
| pid | pname   | price    | quantity |
+-----+-----+-----+-----+
| 1   | apple    | 78000    | 8        |
| 2   | mercedes | 5000000  | 7        |
| 3   | iphone   | 50000    | 90       |
| 4   | book     | 570      | 800      |
| 5   | acer     | 45000    | 879      |
| 6   | asus     | 48999    | 450      |
| 7   | Laptop   | 48967    | 766      |
| 8   | PC       | 100000   | 800      |
| 9   | table    | 1000     | 140      |
| 10  | Gita     | 500      | 1000     |
+-----+-----+-----+-----+
10 rows in set (0.00 sec)
```

2C

```

10 rows in set (0.00 sec)

mysql> select *from customer11 order by firstname$$;
ERROR 1054 (42S22): Unknown column 'firstname$$' in 'order clause'
mysql> select *from customer11 order by firstname;
+-----+-----+-----+-----+-----+-----+-----+
| custno | lastname | firstname | city | state | pin | dob | status |
+-----+-----+-----+-----+-----+-----+-----+
| 1007 | Tamboli | Alfiya | Malegaon | Rajasthan | 555466 | 2003-07-07 | Active |
| 1006 | Patil | ANiket | Mumbai | Karnataka | 776688 | 2002-05-19 | Active |
| 1001 | Philip | Atharva | Phaltan | Maharashtra | NULL | 2003-04-25 | Active |
| 1002 | Raut | Harshad | Madha | Karnataka | 223344 | 2002-02-25 | Active |
| 1009 | Shaikh | Kaina | Wai | Kerala | 795578 | 2002-05-19 | Active |
| 1005 | Salve | Selvin | Ahmednagar | Rajasthan | 554466 | 2001-07-08 | Passive |
| 1003 | Kulkarni | Shreyas | Baramati | Maharashtra | 224455 | 2002-09-05 | Active |
| 1008 | Vaidya | Soham | Baramati | Maharashtra | 798978 | 2002-05-19 | Active |
| 1004 | Shendge | Vaishnavi | Pune | Maharashtra | 224455 | 2002-09-05 | Passive |
| 1010 | Chougule | Yogita | Someshwar | Kerala | 744478 | 2001-04-13 | Passive |
+-----+-----+-----+-----+-----+-----+-----+
10 rows in set (0.00 sec)

mysql> select *from customer11 where (state='Karnataka' or state='Kerala') and status='Active';
+-----+-----+-----+-----+-----+-----+-----+
| custno | lastname | firstname | city | state | pin | dob | status |
+-----+-----+-----+-----+-----+-----+-----+
| 1002 | Raut | Harshad | Madha | Karnataka | 223344 | 2002-02-25 | Active |
| 1006 | Patil | ANiket | Mumbai | Karnataka | 776688 | 2002-05-19 | Active |
| 1009 | Shaikh | Kaina | Wai | Kerala | 795578 | 2002-05-19 | Active |
+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> select firstname,lastname,city,pin from customer11;
+-----+-----+-----+-----+
| firstname | lastname | city | pin |
+-----+-----+-----+-----+
| Atharva | Philip | Phaltan | NULL |
| Harshad | Raut | Madha | 223344 |
| Shreyas | Kulkarni | Baramati | 224455 |
| Vaishnavi | Shendge | Pune | 224455 |
| Selvin | Salve | Ahmednagar | 554466 |
| ANiket | Patil | Mumbai | 776688 |
| Alfiya | Tamboli | Malegaon | 555466 |
| Soham | Vaidya | Baramati | 798978 |
| Kaina | Shaikh | Wai | 795578 |
| Yogita | Chougule | Someshwar | 744478 |
+-----+-----+-----+-----+
10 rows in set (0.00 sec)

mysql> .

```

```

+-----+-----+-----+-----+-----+-----+-----+-----+
| custno | lastname | firstname | city | state | pin | dob | status |
+-----+-----+-----+-----+-----+-----+-----+-----+
1007 | Tamboli | Alfiya | Malegaon | Rajasthan | 555466 | 2003-07-07 | Active |
1006 | Patil | ANiket | Mumbai | Karnataka | 776688 | 2002-05-19 | Active |
1001 | Philip | Atharva | Phaltan | Maharashtra | NULL | 2003-04-25 | Active |
1002 | Raut | Marshad | Madha | Karnataka | 223344 | 2002-02-25 | Active |
1009 | Shaikh | Kaina | Wai | Kerala | 795578 | 2002-05-19 | Active |
1005 | Salve | Selvin | Ahmednagar | Rajasthan | 554466 | 2001-07-04 | Passive |
1003 | Kulkarni | Shreyas | Baramati | Maharashtra | 224455 | 2002-09-05 | Active |
1008 | Vaidya | Soham | Baramati | Maharashtra | 798978 | 2002-05-19 | Active |
1004 | Shendge | Vaishnavi | Pune | Maharashtra | 224455 | 2002-09-05 | Passive |
1010 | Chougule | Yogita | Someshwar | Kerala | 744478 | 2001-04-13 | Passive |
+-----+-----+-----+-----+-----+-----+-----+-----+

```

8 rows in set (0.00 sec)

RROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the r

ysql> delimiter ;

ysql> select *from customer11 order by firstname;

```

+-----+-----+-----+-----+-----+-----+-----+-----+
| custno | lastname | firstname | city | state | pin | dob | status |
+-----+-----+-----+-----+-----+-----+-----+-----+
1007 | Tamboli | Alfiya | Malegaon | Rajasthan | 555466 | 2003-07-07 | Active |
1006 | Patil | ANiket | Mumbai | Karnataka | 776688 | 2002-05-19 | Active |
1001 | Philip | Atharva | Phaltan | Maharashtra | NULL | 2003-04-25 | Active |
1002 | Raut | Marshad | Madha | Karnataka | 223344 | 2002-02-25 | Active |
1009 | Shaikh | Kaina | Wai | Kerala | 795578 | 2002-05-19 | Active |
1005 | Salve | Selvin | Ahmednagar | Rajasthan | 554466 | 2001-07-04 | Passive |
1003 | Kulkarni | Shreyas | Baramati | Maharashtra | 224455 | 2002-09-05 | Active |
1008 | Vaidya | Soham | Baramati | Maharashtra | 798978 | 2002-05-19 | Active |
1004 | Shendge | Vaishnavi | Pune | Maharashtra | 224455 | 2002-09-05 | Passive |
1010 | Chougule | Yogita | Someshwar | Kerala | 744478 | 2001-04-13 | Passive |
+-----+-----+-----+-----+-----+-----+-----+-----+

```

8 rows in set (0.00 sec)

ysql> select *from customer11 order by firstname;

```

+-----+-----+-----+-----+-----+-----+-----+-----+
| custno | lastname | firstname | city | state | pin | dob | status |
+-----+-----+-----+-----+-----+-----+-----+-----+
1007 | Tamboli | Alfiya | Malegaon | Rajasthan | 555466 | 2003-07-07 | Active |
1006 | Patil | ANiket | Mumbai | Karnataka | 776688 | 2002-05-19 | Active |
1001 | Philip | Atharva | Phaltan | Maharashtra | NULL | 2003-04-25 | Active |
1002 | Raut | Marshad | Madha | Karnataka | 223344 | 2002-02-25 | Active |
1009 | Shaikh | Kaina | Wai | Kerala | 795578 | 2002-05-19 | Active |
1005 | Salve | Selvin | Ahmednagar | Rajasthan | 554466 | 2001-07-04 | Passive |
1003 | Kulkarni | Shreyas | Baramati | Maharashtra | 224455 | 2002-09-05 | Active |
1008 | Vaidya | Soham | Baramati | Maharashtra | 798978 | 2002-05-19 | Active |
1004 | Shendge | Vaishnavi | Pune | Maharashtra | 224455 | 2002-09-05 | Passive |
1010 | Chougule | Yogita | Someshwar | Kerala | 744478 | 2001-04-13 | Passive |
+-----+-----+-----+-----+-----+-----+-----+-----+

```

8 rows in set (0.00 sec)

```

| lastname |
+-----+
| Shendge |
| Salve |
| Shaikh |
+-----+
3 rows in set (0.00 sec)

mysql> update customer11 set lastname="Philip" where custno=1001;
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> select lastname from customer11 where lastname like "s%" or lastname like "%o";
+-----+
| lastname |
+-----+
| Philip |
| Shendge |
| Salve |
| Shaikh |
+-----+
4 rows in set (0.00 sec)

mysql> delimiter $$;
mysql> select *from customer11 order by firstname$$
-> ;
-> $$;
ERROR 1054 (42S22): Unknown column 'firstname$$' in 'order clause'
mysql> select *from customer11 order by firstname$$;
+-----+-----+-----+-----+-----+-----+-----+-----+
| custno | lastname | firstname | city | state | pin | dob | status |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 1007 | Tamboli | Alfiya | Malegaon | Rajasthan | 555466 | 2003-07-07 | Active |
| 1006 | Patil | ANiket | Mumbai | Karnataka | 776688 | 2002-05-19 | Active |
| 1001 | Philip | Atharva | Phaltan | Maharashtra | NULL | 2003-04-25 | Active |
| 1002 | Raut | Harshad | Madha | Karnataka | 223344 | 2002-02-25 | Active |
| 1009 | Shaikh | Kaina | Wai | Kerala | 795578 | 2002-05-19 | Active |
| 1005 | Salve | Selvin | Ahmednagar | Rajasthan | 554466 | 2001-07-04 | Passive |
| 1003 | Kulkarni | Shreyas | Baramati | Maharashtra | 224455 | 2002-09-05 | Active |
| 1008 | Vaidya | Soham | Baramati | Maharashtra | 798978 | 2002-05-19 | Active |
| 1004 | Shendge | Vaishnavi | Pune | Maharashtra | 224455 | 2002-09-05 | Passive |
| 1010 | Chougule | Yogita | Someshwar | Kerala | 744478 | 2001-04-13 | Passive |
+-----+-----+-----+-----+-----+-----+-----+-----+
10 rows in set (0.00 sec)

mysql> select *from customer11 order by firstname;
-> $$;
+-----+-----+-----+-----+-----+-----+-----+
| custno | lastname | firstname | city | state | pin | dob | status |
+-----+-----+-----+-----+-----+-----+-----+
| 1007 | Tamboli | Alfiya | Malegaon | Rajasthan | 555466 | 2003-07-07 | Active |
| 1006 | Patil | ANiket | Mumbai | Karnataka | 776688 | 2002-05-19 | Active |

```

```

2 rows in set (0.00 sec)

mysql> select *from customer11 where pin='NULL';
Empty set (0.00 sec)

mysql> update customer11 set pin=null where custno=1001;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> select *from customer11;
+-----+-----+-----+-----+-----+-----+-----+
| custno | lastname | firstname | city | state | pin | dob | status |
+-----+-----+-----+-----+-----+-----+-----+
| 1001 | Gosavi | Atharva | Phaltan | Maharashtra | NULL | 2003-04-25 | Active |
| 1002 | Raut | Harshad | Madha | Karnataka | 223344 | 2002-02-25 | Active |
| 1003 | Kulkarni | Shreyas | Baramati | Maharashtra | 224455 | 2002-09-05 | Active |
| 1004 | Shendge | Vaishnavi | Pune | Maharashtra | 224455 | 2002-09-05 | Passive |
| 1005 | Salve | Selvin | Ahmednagar | Rajasthan | 554466 | 2001-07-04 | Passive |
| 1006 | Patil | ANiket | Mumbai | Karnataka | 776688 | 2002-05-19 | Active |
| 1007 | Tamboli | Alfiya | Malegaon | Rajasthan | 555466 | 2003-07-07 | Active |
| 1008 | Vaidya | Soham | Baramati | Maharashtra | 798978 | 2002-05-19 | Active |
| 1009 | Shaikh | Kaina | Wai | Kerala | 795578 | 2002-05-19 | Active |
| 1010 | Chougule | Yogita | Someshwar | Kerala | 744478 | 2001-04-13 | Passive |
+-----+-----+-----+-----+-----+-----+-----+
10 rows in set (0.00 sec)

mysql> select *from customer11 where pin='NULL';
Empty set (0.00 sec)

mysql> select *from customer11 where pin=null;
Empty set (0.00 sec)

mysql> select *from customer11 where pin is null;
+-----+-----+-----+-----+-----+-----+
| custno | lastname | firstname | city | state | pin | dob | status |
+-----+-----+-----+-----+-----+-----+
| 1001 | Gosavi | Atharva | Phaltan | Maharashtra | NULL | 2003-04-25 | Active |
+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql> select lastname from customer11 where lastname like "s%" or lastname like "%p";
+-----+
| lastname |
+-----+
| Shendge |
| Salve |
| Shaikh |
+-----+
3 rows in set (0.00 sec)

```

```

MySQL 8.0 Command Line Client
+-----+-----+-----+-----+-----+-----+-----+-----+
| 1007 | Tamboli | Alfiya | Malegaon | Rajasthan | 555466 | 2003-07-07 | Active |
| 1008 | Vaidya  | Soham   | Baramati | Maharashtra | 798978 | 2002-05-19 | Active |
| 1009 | Shaikh   | Kaina   | Wai      | Maharashtra | 795578 | 2002-05-19 | Active |
| 1010 | Chougule | Yogita  | Someshwar | Kerala    | 744478 | 2001-04-13 | Passive |
+-----+-----+-----+-----+-----+-----+-----+-----+
10 rows in set (0.00 sec)

mysql> update customer11 set state='Karnataka' where custno=1002;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> update customer11 set state='Kerala' where custno=1009;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> update customer11 set state='Karnataka' where custno=1006;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> select *from customer11;
+-----+-----+-----+-----+-----+-----+-----+-----+
| custno | lastname | firstname | city     | state   | pin    | dob    | status  |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 1001 | Gosavi  | Atharva  | Phaltan  | Maharashtra | 415523 | 2003-04-25 | Active |
| 1002 | Raut    | Harshad  | Madha    | Karnataka  | 223344 | 2002-02-25 | Active |
| 1003 | Kulkarni | Shreyas  | Baramati | Maharashtra | 224455 | 2002-09-05 | Active |
| 1004 | Shendge  | Vaishnavi | Pune     | Maharashtra | 224455 | 2002-09-05 | Passive |
| 1005 | Salve   | Selvin   | Ahmednagar | Rajasthan | 554466 | 2001-07-04 | Passive |
| 1006 | Patil   | ANiket   | Mumbai   | Karnataka  | 776688 | 2002-05-19 | Active |
| 1007 | Tamboli | Alfiya  | Malegaon | Rajasthan | 555466 | 2003-07-07 | Active |
| 1008 | Vaidya  | Soham   | Baramati | Maharashtra | 798978 | 2002-05-19 | Active |
| 1009 | Shaikh   | Kaina   | Wai      | Kerala    | 795578 | 2002-05-19 | Active |
| 1010 | Chougule | Yogita  | Someshwar | Kerala    | 744478 | 2001-04-13 | Passive |
+-----+-----+-----+-----+-----+-----+-----+-----+
10 rows in set (0.00 sec)

mysql> select firstname,lastname where state='Karnataka';
ERROR 1054 (42S22): Unknown column 'firstname' in 'field list'
mysql> select firstname, lastname from customer11 where state='Karnataka';
+-----+-----+
| firstname | lastname |
+-----+-----+
| Harshad  | Raut    |
| ANiket   | Patil   |
+-----+-----+
2 rows in set (0.00 sec)

mysql> select *from customer11 where pin='NULL';
Empty set (0.00 sec)

mysql> update customer11 set pin=null where custno=1001;
Query OK, 1 row affected (0.01 sec)

```

```

mysql> insert into customer11 values(1004,'Shendge','Vaishnavi','Pune','Maharashtra','224455','2002-09-05','Passive');
Query OK, 1 row affected (0.01 sec)

mysql> insert into customer11 values(1005,'Salve','Selvin','Ahmednagar','Rajasthan','554466','2001-07-04','Passive');
Query OK, 1 row affected (0.01 sec)

mysql> insert into customer11 values(1007,'Tamboli','Alfiya','Malegaon','Rajasthan','555466','2003-07-07','Active');
Query OK, 1 row affected (0.01 sec)

mysql> insert into customer11 values(1006,'Patil','ANiket','Mumbai','Maharashtra','776688','2002-05-19','Active');
-> insert into customer11 values(1006,'Patil','ANiket','Mumbai','Maharashtra','776688','2002-05-19','Active')
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
insert into customer11 values(1006,'Patil','ANiket','Mumbai','Maharashtra' at line 1
mysql> insert into customer11 values(1006,'Patil','ANiket','Mumbai','Maharashtra','776688','2002-05-19','Active')
Query OK, 1 row affected (0.01 sec)

-> insert into customer11 values(1008,'Vaidya','Soham','Baramati','Maharashtra','776688','2002-05-19','Active');
-> insert into customer11 values(1008,'Vaidya','Soham','Baramati','Maharashtra','776688','2002-05-19','Active')
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
insert into customer11 values(1008,'Vaidya','Soham','Baramati','Maharashtra','' at line 1
mysql> insert into customer11 values(1008,'Vaidya','Soham','Baramati','Maharashtra','798978','2002-05-19','Active');
Query OK, 1 row affected (0.01 sec)

mysql> insert into customer11 values(1009,'Shaikh','Kaina','Wai','Maharashtra','795578','2002-05-19','Active');
Query OK, 1 row affected (0.07 sec)

mysql> insert into customer11 values(1010,'Chougule','Yogita','Someshwar','Kerala','744478','2001-04-31','Passive');
ERROR 1292 (22007): Incorrect date value: '2001-04-31' for column 'dob' at row 1
mysql> insert into customer11 values(1010,'Chougule','Yogita','Someshwar','Kerala','744478','2001-04-13','Passive');
Query OK, 1 row affected (0.01 sec)

mysql> select *from customer11;
+-----+-----+-----+-----+-----+-----+-----+
| custno | lastname | firstname | city | state | pin | dob | status |
+-----+-----+-----+-----+-----+-----+-----+
| 1001 | Gosavi | Atharva | Phaltan | Maharashtra | 415523 | 2003-04-25 | Active |
| 1002 | Raut | Harshad | Madha | Maharashtra | 223344 | 2002-02-25 | Active |
| 1003 | Kulkarni | Shreyas | Baramati | Maharashtra | 224455 | 2002-09-05 | Active |
| 1004 | Shendge | Vaishnavi | Pune | Maharashtra | 224455 | 2002-09-05 | Passive |
| 1005 | Salve | Selvin | Ahmednagar | Rajasthan | 554466 | 2001-07-04 | Passive |
| 1006 | Patil | ANiket | Mumbai | Maharashtra | 776688 | 2002-05-19 | Active |
| 1007 | Tamboli | Alfiya | Malegaon | Rajasthan | 555466 | 2003-07-07 | Active |
| 1008 | Vaidya | Soham | Baramati | Maharashtra | 798978 | 2002-05-19 | Active |
| 1009 | Shaikh | Kaina | Wai | Maharashtra | 795578 | 2002-05-19 | Active |
| 1010 | Chougule | Yogita | Someshwar | Kerala | 744478 | 2001-04-13 | Passive |
+-----+-----+-----+-----+-----+-----+-----+
10 rows in set (0.00 sec)

mysql> update customer11 set state='Karnataka' where custno=1002;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

```

```
mysql> create table customer(cust_no int(4) primary key,
-> lastname varchar(15),
-> firstname varchar(15),
-> city varchar(20),
-> state varchar(20),
-> pin varchar(6),
-> dob date,
-> status varchar(8));
ERROR 1050 (42001): Table 'customer' already exists
mysql> create table customer11(cust_no int(4) primary key,
-> lastname varchar(15),
-> firstname varchar(15) not null,
-> city varchar(20),
-> state varchar(20),
-> pin varchar(6),
-> dob date,
-> status varchar(8));
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 customer11(
-> custno int primary key,
-> lastname varchar(15),
-> firstname varchar(15),
-> city varchar(20),
-> state varchar(20),
-> pin varchar(10),
-> dob date,
-> status varchar(8));
Query OK, 0 rows affected (0.02 sec)

mysql> insert into customer11(1001,'Gosavi','Atharva','Phaltan','Maharashtra','415523','2003-04-25','Active');
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
      ''2003-04-25','Active')' at line 1
mysql> insert into customer11 values(1001,'Gosavi','Atharva','Phaltan','Maharashtra','415523','2003-04-25','Active');
Query OK, 1 row affected (0.01 sec)

mysql> insert into customer11 values(1002,'Raut','Harshad','Madha','Maharashtra','223344','2002-02-25','Active');
Query OK, 1 row affected (0.01 sec)

mysql> insert into customer11 values(1003,'Kulkarni','Shreyas','Baramati','Maharashtra','224455','2002-09-05','Active');
Query OK, 1 row affected (0.01 sec)

mysql> insert into customer11 values(1004,'Shendge','Vaishnavi','Pune','Maharashtra','224455','2002-09-05','Passive');
Query OK, 1 row affected (0.01 sec)

mysql> insert into customer11 values(1005,'Salve','Selvin','Ahmednagar','Rajasthan','554466','2001-07-04','Passive');
Query OK, 1 row affected (0.01 sec)

mysql> insert into customer11 values(1007,'Tamboli','Alfiya','Malegaon','Rajasthan','555466','2003-07-07','Active');
Query OK, 1 row affected (0.01 sec)

mysql> insert into customer11 values(1006,'Patil','ANiket','Mumbai','Maharashtra','776688','2002-05-19,'Active');
```

```

-> doj date,
-> ename varchar(20) unique not null,
-> salary int,
-> dept_name varchar(20),
-> primary key(eid),
-> foreign key(dept_name)references dept(dname);
Query OK, 0 rows affected (0.12 sec)

mysql> insert into employee values(101,'2003-02-10','Atharva','AI&DS',90000);
ERROR 1366 (HY000): Incorrect integer value: 'AI&DS' for column 'salary' at row 1
mysql> insert into employee values(101,'2003-02-10','Atharva',90000,'AI&DS');
Query OK, 1 row affected (0.01 sec)

mysql> insert into employee values(102,'2005-12-22','Mrishi',50000,'MECH');
Query OK, 1 row affected (0.01 sec)

mysql> insert into employee values(103,'2006-12-22','Hruushi',50000,'IT');
Query OK, 1 row affected (0.01 sec)

mysql> insert into employee values(104,'2005-12-25','Kaustubh',86000,'CSE');
Query OK, 1 row affected (0.07 sec)

mysql> select *from employee;
+----+-----+-----+-----+
| eid | doj | ename | salary | dept_name |
+----+-----+-----+-----+
| 101 | 2003-02-10 | Atharva | 90000 | AI&DS |
| 102 | 2005-12-22 | Mrishi | 50000 | MECH |
| 103 | 2006-12-22 | Hruushi | 50000 | IT |
| 104 | 2005-12-25 | Kaustubh | 86000 | CSE |
+----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> delete from dept where dname='CSE';
ERROR 1451 (23000): Cannot delete or update a parent row: a foreign key constraint fails ('atharva'.`employee`, CONSTRAINT `employee_ibfk_1` FOREIGN KEY (`dept_name`) REFERENCES `dept` (`dname`))
mysql> insert into employee values(104,'2005-12-25','Kaustubh',86000,'CSE');
ERROR 1062 (23000): Duplicate entry '104' for key 'employee.PRIMARY'
mysql> create table customer(cust_no int(4) primary key,
-> lastname varchar(15),
-> firstname varchar(20),
-> city varchar(20),
-> state varchar(20),
-> pin varchar(6),
-> dob date,
-> status varchar(8));
ERROR 1050 (42001): Table 'customer' already exists
mysql> create table customer1(cust_no int(4) primary key,
-> lastname varchar(15),
-> firstname varchar(15) not null,
-> city varchar(20),
-> state varchar(20),
-> pin varchar(6),
-> status varchar(8));

```

```

-> salary int,
-> primary key(eid),
-> foreign key(dept_name)references dept(dname));
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
      ' at line 1
mysql> create table employee(
-> eid int,
-> doj date,
-> ename varchar(20) unique not null,
-> salary int,
-> primary key(eid)
->
-> ^
mysql> create table employee(
-> eid int,
-> ename varchar(20) unique not null,
-> doj date,
-> salary int,
-> dept_name varchar(30),
-> salary int,
-> /
-> ;
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
mysql> create table employee(
-> eid int,
-> doj date,
-> ename varchar(20) unique not null,
-> salary int,
-> dept_name varchar(20),
-> primary key(eid),
-> foreign key(dept_name)references dept(dname));
ERROR 1822 (HY000): Failed to add the foreign key constraint. Missing index for constraint 'employee_ibfk_1' in the referenced table 'dept'
mysql> desc dept;
+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| dname | varchar(30) | YES |   | NULL    |       |
| capacity | int | YES |   | NULL    |       |
| esty | int | NO |   | NULL    |       |
+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> alter table dept modify dname varchar(30) primary key;
Query OK, 0 rows affected (0.06 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> create table employee(
-> eid int,
-> doj date,
-> ename varchar(20) unique not null,
-> salary int,
-> dept_name varchar(20),

```

```

| askila          |
| sys            |
| world          |
+-----+
8 rows in set (0.01 sec)

mysql> use atharva;
Database changed
mysql> create table dept
-> (
-> dname varchar(30),
-> capacity int,
-> esty int not null);
Query OK, 0 rows affected (0.02 sec)

mysql> insert into dept values('CSE',60);
ERROR 1136 (21S01): Column count doesn't match value count at row 1
mysql> insert into dept values('CSE',60,2003);
Query OK, 1 row affected (0.01 sec)

mysql> insert into dept values('MECH',80,2000);
Query OK, 1 row affected (0.01 sec)

mysql> insert into dept values('It',60,2004);
Query OK, 1 row affected (0.07 sec)

mysql> insert into dept values('AI&DS',120,2020);
Query OK, 1 row affected (0.01 sec)

mysql> desc dept;
+-----+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| dname | varchar(30) | YES | NO  | NULL    |       |
| capacity | int      | YES | NO  | NULL    |       |
| esty | int      | NO  | NO  | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> select *from dept;
+-----+-----+-----+
| dname | capacity | esty |
+-----+-----+-----+
| CSE  |       60 | 2003 |
| MECH |       80 | 2000 |
| It   |       60 | 2004 |
| AI&DS |      120 | 2020 |
+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> create table employee(
-> eid int,

```