

```
mysql> show tables ;
```

Tables_in_estore
Buy
Buyer
CollectsFrom
Department
E_store
Employee
Employs
Hosts
Item
Pays
Seller

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

```
mysql>
```

```
mysql> describe E_store ;
```

Field	Type	Null	Key	Default	Extra
storeName	varchar(20)	NO	PRI	NULL	
webAddress	varchar(40)	YES		NULL	
address	varchar(40)	YES		NULL	

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

```
mysql> select count(*) from E_store ;
```

count(*)
1

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

```
mysql> select* from E_store ;
```

```
+-----+-----+-----+
| storeName | webAddress      | address                |
+-----+-----+-----+
| EStore    | www.ESStore.com | 1 Street City XX 12345 |
+-----+-----+-----+
1 row in set (0.00 sec)
```

```
mysql>
```

```
mysql> describe Item ;
```

```
+-----+-----+-----+-----+-----+
+-----+
| Field      | Type              | Null | Key | Default |
Extra |
+-----+-----+-----+-----+-----+
+-----+
| IID        | int               | NO   | PRI | NULL     |
| itemName   | varchar(80)       | YES  |     | NULL     |
| price      | decimal(10,0)     | YES  |     | NULL     |
| category   | varchar(20)       | YES  |     | NULL     |
| quantity   | int               | YES  |     | NULL     |
+-----+-----+-----+-----+-----+
+-----+
5 rows in set (0.00 sec)
```

```
mysql> select count(*) from Item ;
```

```
+-----+
| count(*) |
+-----+
| 49999    |
+-----+
```

```
1 row in set (0.00 sec)
```

```
mysql> select* from Item where iid>400000001 and
iid<400000011 ;
```

	IID	itemName	price	category	quantity
1	400000002	ItemName2	86	Category24	
6	400000003	ItemName3	301	Category15	
16	400000004	ItemName4	259	Category96	
14	400000005	ItemName5	352	Category90	
12	400000006	ItemName6	299	Category21	
9	400000007	ItemName7	138	Category42	
4	400000008	ItemName8	347	Category7	
3	400000009	ItemName9	101	Category57	
5	400000010	ItemName10	246	Category58	

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

```
mysql>
mysql> describe Employee ;
```

Field	Type	Null	Key	Default	Extra
eID	int	NO	PRI	NULL	
ename	varchar(20)	YES		NULL	

DOB	date	YES		NULL
dependents	int	YES		NULL
salary	int	YES		NULL

5 rows in set (0.00 sec)

mysql> select count(*) from Employee ;

count(*)
349

1 row in set (0.00 sec)

mysql> select* from Employee where eid>593 and eid<604 ;

eID	ename	DOB	dependents
594	FirstLastEmployee294	1958-05-23	1
117463			
595	FirstLastEmployee295	1994-05-06	8
117152			
596	FirstLastEmployee296	1972-05-15	1
130339			
597	FirstLastEmployee297	1962-02-02	6
130163			
598	FirstLastEmployee298	1987-04-09	9
110139			
599	FirstLastEmployee299	1963-08-14	3
113661			
600	FirstLastEmployee300	1960-12-08	1
95676			

601	FirstLastEmployee301	1975-05-17	8
79216			
602	FirstLastEmployee302	1981-12-22	8
143387			
603	FirstLastEmployee303	1976-06-10	9
59576			

10 rows in set (0.00 sec)

```
mysql>
mysql> describe Seller ;
```

Field	Type	Null	Key	Default	Extra
sID	int	NO	PRI	NULL	
password	varchar(20)	YES		NULL	
sname	varchar(20)	YES		NULL	
saddress	varchar(40)	YES		NULL	
semail	varchar(30)	YES		NULL	

5 rows in set (0.00 sec)

```
mysql> select count(*) from Seller ;
```

count(*)
19999

1 row in set (0.00 sec)

```
mysql> select* from Seller where sid>2000000001 and
```

```
sid<200000011 ;
```

```
+-----+-----+-----+
+-----+-----+-----+
| sID      | password      | sname      |
address    | semail        |
+-----+-----+-----+
+-----+-----+-----+
| 200000002 | paSSwor1001d2 | FirstLastSeller2 | 2
Street City XX 12345 | seller2@xyz.com |
| 200000003 | paSSwor1001d3 | FirstLastSeller3 | 3
Street City XX 12345 | seller3@xyz.com |
| 200000004 | paSSwor1001d4 | FirstLastSeller4 | 4
Street City XX 12345 | seller4@xyz.com |
| 200000005 | paSSwor1001d5 | FirstLastSeller5 | 5
Street City XX 12345 | seller5@xyz.com |
| 200000006 | paSSwor1001d6 | FirstLastSeller6 | 6
Street City XX 12345 | seller6@xyz.com |
| 200000007 | paSSwor1001d7 | FirstLastSeller7 | 7
Street City XX 12345 | seller7@xyz.com |
| 200000008 | paSSwor1001d8 | FirstLastSeller8 | 8
Street City XX 12345 | seller8@xyz.com |
| 200000009 | paSSwor1001d9 | FirstLastSeller9 | 9
Street City XX 12345 | seller9@xyz.com |
| 200000010 | paSSwor1001d10 | FirstLastSeller10 | 10
Street City XX 12345 | seller10@xyz.com |
+-----+-----+-----+
+-----+-----+-----+
9 rows in set (0.00 sec)
```

```
mysql>
```

```
mysql> describe Buyer;
```

```
+-----+-----+-----+-----+-----+
+-----+
| Field      | Type          | Null | Key | Default |
Extra |
+-----+-----+-----+-----+-----+
+-----+
| bID        | int           | NO   | PRI | NULL     |
|
| bname      | varchar(20)   | NO   |     | NULL     |
|
```

bpassword	varchar(20)	YES		NULL
loyaltyNO	int	YES		NULL
baddress	varchar(40)	YES		NULL
email	varchar(30)	YES		NULL

+-----+

6 rows in set (0.00 sec)

mysql> select count(*) from Buyer ;

count(*)
24999

1 row in set (0.00 sec)

mysql> select* from Buyer where bid>1000000001 and bid<1000000011 ;

bID	bname	bpassword	loyaltyNO	baddress	email
1000000002	FirstLastBuyer2	paSSwor1001d2	2346068	2 Street City XX 12345	buyer@xyz.com2
1000000003	FirstLastBuyer3	paSSwor1001d3	1007768	3 Street City XX 12345	buyer@xyz.com3
1000000004	FirstLastBuyer4	paSSwor1001d4	1213413	4 Street City XX 12345	buyer@xyz.com4
1000000005	FirstLastBuyer5	paSSwor1001d5	1566040	5 Street City XX 12345	buyer@xyz.com5
1000000006	FirstLastBuyer6	paSSwor1001d6	5287749	6 Street City XX 12345	buyer@xyz.com6
1000000007	FirstLastBuyer7	paSSwor1001d7			

```

4984433 | 7 Street City XX 12345 | buyer@xyz.com7 |
| 1000000008 | FirstLastBuyer8 | paSSwor1001d8 |
6472556 | 8 Street City XX 12345 | buyer@xyz.com8 |
| 1000000009 | FirstLastBuyer9 | paSSwor1001d9 |
4683633 | 9 Street City XX 12345 | buyer@xyz.com9 |
| 1000000010 | FirstLastBuyer10 | paSSwor1001d10 |
1888539 | 10 Street City XX 12345 | buyer@xyz.com10 |
+-----+-----+-----+
+-----+-----+
+-----+

```

9 rows in set (0.00 sec)

mysql>

mysql> describe Department ;

```

+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| dID   | int           | NO   | PRI | NULL    |       |
| dname | varchar(20)   | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+

```

2 rows in set (0.00 sec)

mysql> select count(*) from Department ;

```

+-----+
| count(*) |
+-----+
|         8 |
+-----+

```

1 row in set (0.00 sec)

mysql> select* from Department ;

```

+-----+-----+
| dID | dname          |
+-----+-----+
| 1   | DepartmentName1 |
| 2   | DepartmentName2 |
| 3   | DepartmentName3 |
| 4   | DepartmentName4 |
| 5   | DepartmentName5 |
| 6   | DepartmentName6 |
| 7   | DepartmentName7 |

```



```
| 8 | DepartmentName8 |
+-----+
8 rows in set (0.00 sec)
```

```
mysql>
mysql> describe Hosts;
```

```
+-----+-----+-----+-----+-----+
+-----+
| Field      | Type          | Null | Key | Default |
Extra |
+-----+-----+-----+-----+-----+
+-----+
| storeName | varchar(20)   | NO   | PRI | NULL     |
| IID       | int           | NO   | PRI | NULL     |
|
+-----+-----+-----+-----+-----+
+-----+
2 rows in set (0.00 sec)
```

```
mysql> select count(*) from Hosts ;
```

```
+-----+
| count(*) |
+-----+
| 49999    |
+-----+
1 row in set (0.00 sec)
```

```
mysql> select* from Hosts where iid>400000001 and
iid<400000011 ;
```

```
+-----+-----+
| storeName | IID      |
+-----+-----+
| EStore    | 400000002 |
| EStore    | 400000003 |
| EStore    | 400000004 |
| EStore    | 400000005 |
| EStore    | 400000006 |
| EStore    | 400000007 |
| EStore    | 400000008 |
| EStore    | 400000009 |
```

```
| EStore      | 400000010 |
+-----+
9 rows in set (0.00 sec)
```

```
mysql>
mysql> describe Employs;
```

```
+-----+-----+-----+-----+-----+
+-----+
| Field      | Type          | Null | Key | Default |
Extra |
+-----+-----+-----+-----+-----+
+-----+
| storeName | varchar(20)   | NO   | PRI | NULL     |
| eID       | int           | NO   | PRI | NULL     |
| startDate | date          | YES  |     | NULL     |
| endDate   | date          | YES  |     | NULL     |
+-----+-----+-----+-----+-----+
+-----+
4 rows in set (0.00 sec)
```

```
mysql> select count(*) from Employs ;
```

```
+-----+
| count(*) |
+-----+
|      348 |
+-----+
1 row in set (0.00 sec)
```

```
mysql> select* from Employs where eid>593 and eid<604 ;
```

```
+-----+-----+-----+-----+
| storeName | eID | startDate | endDate |
+-----+-----+-----+-----+
| EStore    | 594 | 2002-10-07 | 2019-11-07 |
| EStore    | 595 | 2021-06-15 | 2011-02-17 |
| EStore    | 596 | 1998-10-20 | 2005-06-20 |
| EStore    | 597 | 2013-06-17 | 2012-07-31 |
| EStore    | 598 | 2012-10-03 | 2022-12-13 |
```

EStore	599	2015-12-04	2011-04-12
EStore	601	1988-11-29	2023-10-13
EStore	602	2021-11-04	2023-10-13
EStore	603	2022-11-15	2023-10-13

9 rows in set (0.00 sec)

mysql>

mysql> describe Pays;

Field Extra	Type	Null	Key	Default
payID	int	NO	PRI	NULL
storeName	varchar(20)	NO	PRI	NULL
sID	int	NO	PRI	NULL
payday	date	YES		NULL
amount	decimal(7,2)	YES		NULL

5 rows in set (0.00 sec)

mysql> select count(*) from Pays ;

count(*)
17999

1 row in set (0.00 sec)

mysql> select* from Pays where sid>200000001 and
sid<200000011 ;

--

payID amount	storeName	sID	payday
500002567	EStore	200000002	2021-08-22
272.98			
500014061	EStore	200000002	1993-09-07
143.62			
500004403	EStore	200000004	1999-06-15
507.26			
500002040	EStore	200000005	1998-08-26
791.12			
500017496	EStore	200000005	2001-06-04
901.28			
500002490	EStore	200000006	1992-02-21
562.00			

6 rows in set (0.00 sec)

mysql>

mysql> describe CollectsFrom;

Field Extra	Type	Null	Key	Default
storeName	varchar(20)	NO	PRI	NULL
bID	int	NO	PRI	NULL
bdate	date	NO	PRI	NULL

3 rows in set (0.00 sec)

mysql> select count(*) from CollectsFrom ;

count(*)

```

+-----+
| 21999 |
+-----+

```

1 row in set (0.00 sec)

```
mysql> select* from CollectsFrom where bid>1000000001
and bid<1000000011 ;
```

```

+-----+-----+-----+
| storeName | bID      | bdate      |
+-----+-----+-----+
| EStore    | 1000000005 | 1997-01-15 |
| EStore    | 1000000005 | 2009-12-01 |
| EStore    | 1000000006 | 2019-06-18 |
| EStore    | 1000000007 | 1988-09-14 |
| EStore    | 1000000007 | 1989-05-04 |
| EStore    | 1000000009 | 2005-02-28 |
+-----+-----+-----+

```

6 rows in set (0.00 sec)

```
mysql>
mysql> describe Buy;
```

```

+-----+-----+-----+-----+-----+-----+
| Field  | Type  | Null  | Key  | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| bID    | int   | NO    | PRI  | NULL    |       |
| IID    | int   | NO    | PRI  | NULL    |       |
| buydate | date  | YES   |      | NULL    |       |
+-----+-----+-----+-----+-----+-----+

```

3 rows in set (0.00 sec)

```
mysql> select count(*) from Buy ;
```

```

+-----+
| count(*) |
+-----+
| 34997    |
+-----+

```

1 row in set (0.00 sec)

```
mysql> select* from Buy where bid>1000000001 and
bid<1000000011 ;
```

```

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

```

bID	IID	buydate
1000000002	400001504	1993-03-27
1000000002	400007395	2012-07-25
1000000002	400012195	2014-04-30
1000000002	400032916	2009-01-15
1000000002	400041774	2014-06-23
1000000003	400037870	2000-09-13
1000000004	400045681	2019-10-25
1000000005	400024754	1989-01-18
1000000007	400019701	1999-03-15
1000000009	400021561	2013-09-17
1000000009	400026912	1998-12-19
1000000009	400048687	2002-04-24
1000000010	400027602	1990-08-22

13 rows in set (0.00 sec)