

1.

```
mysql> create database rentalManagement
-> ;
Query OK, 1 row affected (0.02 sec)

mysql> |
```

2.

```
mysql> create table owners(
-> owner_id int primary key,
-> o_name varchar(30) not null,
-> gender varchar(2),
-> lease_duration int,
-> status varchar(20),
-> pid int,
-> foreign key (pid) references propertyRentals(p_id)
-> )
-> ;
Query OK, 0 rows affected (0.02 sec)

mysql> alter table owners modify owner_id int primary key auto_increment
;
ERROR 1068 (42000): Multiple primary key defined
mysql> alter table owners drop primary key;
Query OK, 0 rows affected (0.03 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table owners modify owner_id int primary key auto_increment
;
Query OK, 0 rows affected (0.04 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table owners auto_increment=101;
Query OK, 0 rows affected (0.01 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> |
```

```
mysql> create table propertyRentals(
-> p_id int primary key,
-> monthly_rent decimal(10,2),
-> rating int,
-> location varchar(50));
Query OK, 0 rows affected (0.04 sec)
```

3.

```
mysql> insert into owners(o_name, gender, lease_duration, status, pid)
-> values
-> ("Amit Kumar", "M", 12, "Active", 3),
-> ("Priya Sharma", "F", 24, "Inactive", 4),
-> ("Ravi Singh", "M", 18, "Active", 2),
-> ("Anjali Patel", "F", 6, "Active", 3),
-> ("Neha Verma", "F", 15, "Active", 1),
-> ("Rahul Mehta", "M", 9, "Inactive", 4),
-> ("Vikram Singh", "M", 36, "Inactive", 5);
Query OK, 7 rows affected (0.00 sec)
Records: 7 Duplicates: 0 Warnings: 0
```

```
mysql> insert into propertyRentals(p_id, monthly_rent, rating, location)
-> values
-> (1, 25000.00, 9, "Mumbai"),
-> (2, 18000.50, 8, "Pune"),
-> (3, 22000.75, 7, "Delhi"),
-> (4, 15000.00, 7, "Pune"),
-> (5, 27000.25, 6, "Hyderabad");
Query OK, 5 rows affected (0.01 sec)
Records: 5 Duplicates: 0 Warnings: 0
```

```
mysql> insert into owners(owner_id, o_name, gender, lease_duration, status, pid)
-> values
```

4.

```
mysql> select status, count(*) as total_owners from owners group by status;
+-----+-----+
| status | total_owners |
+-----+-----+
| Active | 4 |
| Inactive | 3 |
+-----+-----+
2 rows in set (0.01 sec)

mysql> |
```

5.

```
mysql> select location, avg(monthly_rent) from propertyRentals group by location;
+-----+-----+
| location | avg(monthly_rent) |
+-----+-----+
| Delhi | 22000.750000 |
| Hyderabad | 27000.250000 |
| Mumbai | 25000.000000 |
| Pune | 16500.250000 |
+-----+-----+
4 rows in set (0.00 sec)

mysql> |
```

6.

```
mysql> select o_name, lease_duration,  
-> case  
-> when lease_duration <12 then 'short term property'  
-> when lease_duration between 12 and 20 then 'moderate'  
-> else 'long term property'  
-> end as property_type  
-> from owners;
```

o_name	lease_duration	property_type
Amit Kumar	12	moderate
Priya Sharma	24	long term property
Ravi Signh	18	moderate
Anjali Patel	6	short term property
Neha Verma	15	moderate
Rahul Mehta	9	short term property
Vikram Singh	36	long term property

7 rows in set (0.00 sec)

```
mysql> |
```

7.

```
mysql> select o_name from owners where lease_duration>18;
```

o_name
Priya Sharma
Vikram Singh

2 rows in set (0.00 sec)

```
mysql> |
```

8.

```
mysql> select * from propertyrentals  
-> where rating >=8 and monthly_rent between 18000 and 25000 and loc  
ation <> "Delhi";
```

p_id	monthly_rent	rating	location
1	25000.00	9	Mumbai
2	18000.50	8	Pune

2 rows in set (0.00 sec)

```
mysql> |
```

9.

```
mysql> select * from propertyRentals where location <> "Pune";
```

p_id	monthly_rent	rating	location
1	25000.00	9	Mumbai
3	22000.75	7	Delhi
5	27000.25	6	Hyderabad

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

```
mysql> |
```

10.

```
mysql> select owner_id, o_name, gender, lease_duration from owners where  
lease_duration between 12 and 24;
```

owner_id	o_name	gender	lease_duration
101	Amit Kumar	M	12
102	Priya Sharma	F	24
103	Ravi Signh	M	18
105	Neha Verma	F	15

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

```
mysql> |
```

11.

```
mysql> select o_name, gender from owners where status in ("active", "inactive");
```

o_name	gender
Amit Kumar	M
Priya Sharma	F
Ravi Signh	M
Anjali Patel	F
Neha Verma	F
Rahul Mehta	M
Vikram Singh	M

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

```
mysql> |
```

12.

```
mysql> select * from propertyRentals where location is null;  
Empty set (0.00 sec)
```

```
mysql> |
```

13.

```
mysql> select o_name from owners where o_name like "A%";
+-----+
| o_name |
+-----+
| Amit Kumar |
| Anjali Patel |
+-----+
2 rows in set (0.00 sec)

mysql> |
```

14.

```
mysql> select o_name from owners where o_name like "%ma";
+-----+
| o_name |
+-----+
| Priya Sharma |
| Neha Verma |
+-----+
2 rows in set (0.00 sec)

mysql> |
```

15.

```
mysql> select o_name from owners where o_name like "%e%";
+-----+
| o_name |
+-----+
| Anjali Patel |
| Neha Verma |
| Rahul Mehta |
+-----+
3 rows in set (0.00 sec)

mysql> |
```

16.

```
mysql> select monthly_rent, location from propertyrentals
-> where
-> substring(location, 2, 1)='u';
```

monthly_rent	location
25000.00	Mumbai
18000.50	Pune
15000.00	Pune

```
3 rows in set (0.00 sec)

mysql> |
```

17.

```
mysql> select o.o_name, o.gender, o.status
-> from owners o
-> join propertyrentals p on o.pid=p.p_id
-> where o.status in ('active', 'inactive')
-> AND p.location="Pune";
```

o_name	gender	status
Ravi Signh	M	Active
Priya Sharma	F	Inactive
Rahul Mehta	M	Inactive

```
3 rows in set (0.00 sec)

mysql> |
```

18.

```
mysql> select * from owners
-> join propertyrentals on owners.pid=propertyrentals.p_id
-> where status="Active" or location="Hyderabad";
```

owner_id	o_name	gender	lease_duration	status	pid	p_id	monthly_rent	rating	location
101	Amit Kumar	M	12	Active	3	3	22000.75	7	Delhi
103	Ravi Signh	M	18	Active	2	2	18000.50	8	Pune
104	Anjali Patel	F	6	Active	3	3	22000.75	7	Delhi
105	Neha Verma	F	15	Active	1	1	25000.00	9	Mumbai
107	Vikram Singh	M	36	Inactive	5	5	27000.25	6	Hyderabad

```
5 rows in set (0.00 sec)

mysql> |
```

19.

```
Query OK, 0 rows affected (0.06 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> desc propertyrentals;
```

Field	Type	Null	Key	Default	Extra
p_id	int(11)	NO	PRI	NULL	
monthly_rent	decimal(10,2)	YES		NULL	
rating	int(11)	YES		NULL	
location	varchar(50)	YES		NULL	
property_type	varchar(30)	YES		NULL	

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

```
mysql> |
```

20.

```
mysql> alter table propertyrentals drop column rating;
Query OK, 0 rows affected (0.08 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> |
```

```
mysql> select * from propertyrentals;
```

p_id	monthly_rent	location	property_type
1	25000.00	Mumbai	NULL
2	18000.50	Pune	NULL
3	22000.75	Delhi	NULL
4	15000.00	Pune	NULL
5	27000.25	Hyderabad	NULL

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

```
mysql> |
```

21.

```
mysql> select * from owners where lease_duration<12;
```

owner_id	o_name	gender	lease_duration	status	pid
104	Anjali Patel	F	6	Active	3
106	Rahul Mehta	M	9	Inactive	4

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

```
mysql> update owners
```

```
-> set status = 'inactive'
```

```
-> where lease_duration<12;
```

```
Query OK, 2 rows affected (0.00 sec)
```

```
Rows matched: 2 Changed: 2 Warnings: 0
```

```
mysql> select * from owners;
```

owner_id	o_name	gender	lease_duration	status	pid
101	Amit Kumar	M	12	Active	3
102	Priya Sharma	F	24	Inactive	4
103	Ravi Signh	M	18	Active	2
104	Anjali Patel	F	6	inactive	3
105	Neha Verma	F	15	Active	1
106	Rahul Mehta	M	9	inactive	4
107	Vikram Singh	M	36	Inactive	5

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

```
mysql> |
```