

```
mysql> use oldagehome;
```

Database changed

```
mysql> create table residents(
```

```
-> resident_id int primary key,
```

```
-> name varchar(50) not null,
```

```
-> age int,
```

```
-> gender varchar(10),
```

```
-> admission_date date
```

```
-> );
```

Query OK, 0 rows affected (0.11 sec)

```
mysql> create table medical_records(
```

```
-> record_id int primary key,
```

```
-> resident_id int,
```

```
-> condition varchar(100),
```

```
-> last_checkup date,
```

```
-> foreign key (resident_id) references residents(resident_id)
```

```
-> );
```

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 'condition varchar(100),

last_checkup date,

foreign key (resident_id) references ' at line 4

```
mysql> create table medical_records(
```

```
-> record_id int primary key,
```

```
-> resident_id int,
```

```
-> medical_condition varchar(100),
```

```
-> last_checkup date,
```

-> foreign key (resident_id) references residents(resident_id)

->);

Query OK, 0 rows affected (0.10 sec)

mysql> create table payments(

-> payment_id int primary key,

-> resident_id int,

-> amount decimal(10,2),

-> payment_date date,

-> foreign key (resident_id) references residents(resident_id)

->);

Query OK, 0 rows affected (0.09 sec)

mysql> insert into residents values

-> (1,'Sneha Pandey',72,'Female','2024-08-01'),

-> (2,'Sita Sharma',68,'Female','2024-08-02'),

-> (3,'Mahesh Patil',75,'Male','2024-08-05'),

-> (4,'Geeta Joshi',70,'Female','2024-08-07'),

-> (5,'Anil Deshmukh',73,'Male','2024-08-10');

Query OK, 5 rows affected (0.04 sec)

Records: 5 Duplicates: 0 Warnings: 0

mysql> insert into medical_records values

-> (101,1,'Diabetes','2024-12-01'),

-> (102,2,'Arthritis','2024-12-02'),

-> (103,3,'Hypertension','2024-12-03'),

-> (104,4,'Asthama','2024-12-04'),

-> (105,5,'Diabetes','2024-12-05');

Query OK, 5 rows affected (0.04 sec)

Records: 5 Duplicates: 0 Warnings: 0

mysql> insert into payments values

-> (201,1,5000,'2024-08-01'),

-> (202,2,4500,'2024-08-02'),

-> (203,3,4000,'2024-08-05'),

-> (204,4,5500,'2024-08-07'),

-> (205,5,6000,'2024-08-10');

Query OK, 5 rows affected (0.05 sec)

Records: 5 Duplicates: 0 Warnings: 0

mysql> select*from residents;

resident_id	name	age	gender	admission_date
1	Sneha Pandey	72	Female	2024-08-01
2	Sita Sharma	68	Female	2024-08-02
3	Mahesh Patil	75	Male	2024-08-05
4	Geeta Joshi	70	Female	2024-08-07
5	Anil Deshmukh	73	Male	2024-08-10

5 rows in set (0.00 sec)

mysql> select*from medical_records;

record_id	resident_id	medical_condition	last_checkup
-----------	-------------	-------------------	--------------

101	1	Diabetes	2024-12-01
102	2	Arthritis	2024-12-02
103	3	Hypertension	2024-12-03
104	4	Asthama	2024-12-04
105	5	Diabetes	2024-12-05

5 rows in set (0.00 sec)

```
mysql> select*from payments;
```

payment_id	resident_id	amount	payment_date
201	1	5000.00	2024-08-01
202	2	4500.00	2024-08-02
203	3	4000.00	2024-08-05
204	4	5500.00	2024-08-07
205	5	6000.00	2024-08-10

5 rows in set (0.00 sec)

```
mysql> commit;
```

Query OK, 0 rows affected (0.00 sec)

```
mysql> start transaction;
```

Query OK, 0 rows affected (0.00 sec)

```
mysql> insert into residents values(6,'Sunil Rao',69,'Female','2024-08-12');
```

Query OK, 1 row affected (0.00 sec)

```
mysql> insert into medical_records values(106,6,'Arthritis','2024-12-15');
```

```
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into payments values(206,6,4800,'2024-08-12');
```

```
Query OK, 1 row affected (0.00 sec)
```

```
mysql> commit;
```

```
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> select*from residents values;
```

```
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 'values' at line  
1
```

```
mysql> select*from residents;
```

```
+-----+-----+-----+-----+-----+
| resident_id | name      | age | gender | admission_date |
+-----+-----+-----+-----+-----+
| 1 | Sneha Pandey | 72 | Female | 2024-08-01 |
| 2 | Sita Sharma  | 68 | Female | 2024-08-02 |
| 3 | Mahesh Patil | 75 | Male   | 2024-08-05 |
| 4 | Geeta Joshi  | 70 | Female | 2024-08-07 |
| 5 | Anil Deshmukh | 73 | Male   | 2024-08-10 |
| 6 | Sunil Rao    | 69 | Female | 2024-08-12 |
+-----+-----+-----+-----+-----+
```

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

```
mysql> select*from medical_records;
```

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

```
| record_id | resident_id | medical_condition | last_checkup |
```

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

```
| 101 | 1 | Diabetes | 2024-12-01 |
```

```
| 102 | 2 | Arthritis | 2024-12-02 |
```

```
| 103 | 3 | Hypertension | 2024-12-03 |
```

```
| 104 | 4 | Asthama | 2024-12-04 |
```

```
| 105 | 5 | Diabetes | 2024-12-05 |
```

```
| 106 | 6 | Arthritis | 2024-12-15 |
```

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

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

```
mysql> select*from payments;
```

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

```
| payment_id | resident_id | amount | payment_date |
```

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

```
| 201 | 1 | 5000.00 | 2024-08-01 |
```

```
| 202 | 2 | 4500.00 | 2024-08-02 |
```

```
| 203 | 3 | 4000.00 | 2024-08-05 |
```

```
| 204 | 4 | 5500.00 | 2024-08-07 |
```

```
| 205 | 5 | 6000.00 | 2024-08-10 |
```

```
| 206 | 6 | 4800.00 | 2024-08-12 |
```

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

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

```
mysql> select name from residents where age>70;
```

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

```
| name |
```

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

```
| Sneha Pandey |
```

```
| Mahesh Patil |
```

```
| Anil Deshmukh |
```

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

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

```
mysql> select name from residents where age between 65 and 70;
```

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

```
| name      |
```

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

```
| Sita Sharma |
```

```
| Geeta Joshi |
```

```
| Sunil Rao  |
```

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

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

```
mysql> select name from residents where name like 'S%';
```

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

```
| name      |
```

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

```
| Sneha Pandey |
```

```
| Sita Sharma |
```

```
| Sunil Rao  |
```

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

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

```
mysql> select r.name,r.age,m.condition,p.amount
```

```
-> from residents r
```

-> join medical_records m on r.resident_id = m.resident_id

-> join payments p on r.resident_id = p.resident_id;

ERROR 1054 (42S22): Unknown column 'm.condition' in 'field list'

mysql> select r.name,r.age,m.medical_condition,p.amount

-> from residents r

-> join medical_records m on r.resident_id = m.resident_id

-> join payments p on r.resident_id = p.resident_id;

```
+-----+-----+-----+-----+
| name   | age | medical_condition | amount |
+-----+-----+-----+-----+
| Sneha Pandey | 72 | Diabetes      | 5000.00 |
| Sita Sharma  | 68 | Arthritis     | 4500.00 |
| Mahesh Patil | 75 | Hypertension  | 4000.00 |
| Geeta Joshi  | 70 | Asthama       | 5500.00 |
| Anil Deshmukh | 73 | Diabetes      | 6000.00 |
| Sunil Rao    | 69 | Arthritis     | 4800.00 |
+-----+-----+-----+-----+
```

6 rows in set (0.00 sec)

mysql> select condition, COUNT(*)as total_patients

-> from medical_records

-> group by condition;

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 'condition, COUNT(*)as total_patients

from medical_records

group by condition' at line 1

mysql> select medical_condition, COUNT(*)as total_patients

-> from medical_records

-> group by condition;

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 'condition' at line 3

```
mysql> select medical_condition, COUNT(*)as total_patients
```

-> from medical_records

-> group by medical_condition;

```
+-----+-----+
| medical_condition | total_patients |
+-----+-----+
| Diabetes        | 2              |
| Arthritis       | 2              |
| Hypertension    | 1              |
| Asthama         | 1              |
+-----+-----+
```

4 rows in set (0.00 sec)

```
mysql> select r.name,m.medical_condition
```

-> from residents r

-> join medical_records m on r.resident_id = m.resident_id

-> group by r.name, m.medical_condition

-> having m.medical_condition = 'Diabetes';

```
+-----+-----+
| name      | medical_condition |
+-----+-----+
| Sneha Pandey | Diabetes        |
| Anil Deshmukh | Diabetes        |
+-----+-----+
```

2 rows in set (0.00 sec)

```
mysql> commit;
```

```
Query OK, 0 rows affected (0.00 sec)
```

```
mysql> update payments
```

```
-> set amount = 5200
```

```
-> where payment_id = 202
```

```
-> ;
```

```
Query OK, 1 row affected (0.04 sec)
```

```
Rows matched: 1 Changed: 1 Warnings: 0
```

```
mysql> select*from payments;
```

```
+-----+-----+-----+-----+
| payment_id | resident_id | amount | payment_date |
+-----+-----+-----+-----+
| 201 | 1 | 5000.00 | 2024-08-01 |
| 202 | 2 | 5200.00 | 2024-08-02 |
| 203 | 3 | 4000.00 | 2024-08-05 |
| 204 | 4 | 5500.00 | 2024-08-07 |
| 205 | 5 | 6000.00 | 2024-08-10 |
| 206 | 6 | 4800.00 | 2024-08-12 |
+-----+-----+-----+-----+
```

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

```
mysql>
```