

```
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,'Asthamma','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>
```