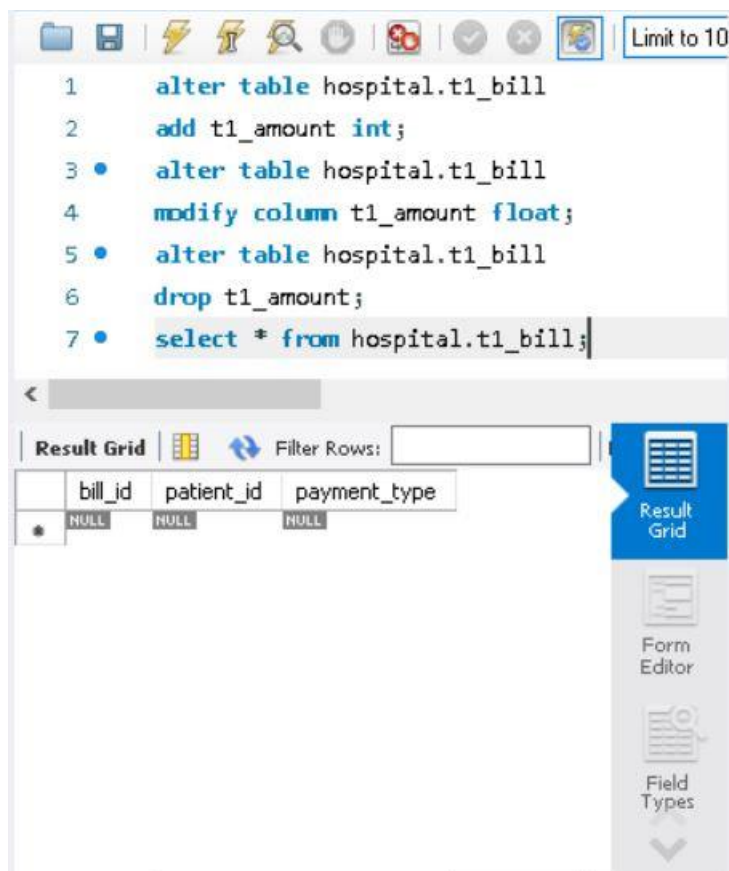


```
1). alter table hospital.t1_bill  
add t1_amount int;  
alter table hospital.t1_bill  
modify column t1_amount float;  
alter table hospital.t1_bill  
drop t1_amount;  
select * from hospital.t1_bill;
```



```
2). insert into hospital.t1_nurse(nurse_id, assigned_patient_id,  
assigned_room_id)  
values(1, 1, 1);  
  
insert into hospital.t1_nurse(nurse_id, assigned_patient_id,  
assigned_room_id)  
values(2, 2, 2);
```

```
insert into hospital.t1_nurse(nurse_id, assigned_patient_id,  
assigned_room_id)
```

```
values(3, 3, 3);
```

```
insert into hospital.t1_nurse(nurse_id, assigned_patient_id,  
assigned_room_id)
```

```
values(4, 4, 4);
```

```
insert into hospital.t1_nurse(nurse_id, assigned_patient_id,  
assigned_room_id)
```

```
values(5, 5, 5);
```

```
insert into hospital.t1_nurse(nurse_id, assigned_patient_id,  
assigned_room_id)
```

```
values(6, 6, 6);
```

```
insert into hospital.t1_nurse(nurse_id, assigned_patient_id,  
assigned_room_id)
```

```
values(7, 7, 7);
```

```
insert into hospital.t1_nurse(nurse_id, assigned_patient_id,  
assigned_room_id)
```

```
values(8, 8, 8);
```

```
insert into hospital.t1_nurse(nurse_id, assigned_patient_id,  
assigned_room_id)
```

```
values(9, 9, 9);
```

```
insert into hospital.t1_nurse(nurse_id, assigned_patient_id,  
assigned_room_id)
```

```
values(10, 10, 10);
```

```
insert into hospital.t1_nurse(nurse_id, assigned_patient_id,  
assigned_room_id)
```

```
values(11, 11, 11);
```

```
insert into hospital.t1_nurse(nurse_id, assigned_patient_id,  
assigned_room_id)
```

```
values(12, 12, 12);

insert into hospital.t1_nurse(nurse_id, assigned_patient_id,
assigned_room_id)

values(13, 13, 13);

insert into hospital.t1_nurse(nurse_id, assigned_patient_id,
assigned_room_id)

values(14, 14, 14);

insert into hospital.t1_nurse(nurse_id, assigned_patient_id,
assigned_room_id)

values(15, 15, 15);

insert into hospital.t1_nurse(nurse_id, assigned_patient_id,
assigned_room_id)

values(16, 16, 16);

insert into hospital.t1_nurse(nurse_id, assigned_patient_id,
assigned_room_id)

values(17, 17, 17);

insert into hospital.t1_nurse(nurse_id, assigned_patient_id,
assigned_room_id)

values(18, 18, 18);







insert into hospital.t1_nurse(nurse_id, assigned_patient_id,
assigned_room_id)

values(19, 19, 19);

insert into hospital.t1_nurse(nurse_id, assigned_patient_id,
assigned_room_id)

values(20, 20, 20);

select * from hospital.t1_nurse
```

Result Grid			
Filter Rows: <input type="text"/>			
Edit:   			
Export/Import:  			
Wrap Cell Content: 			
nurse_id	assigned_patient_id	assigned_room_id	
1	1	1	
2	2	2	
3	3	3	
4	4	4	
5	5	5	
6	6	6	
7	7	7	
8	8	8	
9	9	9	
10	10	10	
11	11	11	
12	12	12	
13	13	13	
14	14	14	
15	15	15	
16	16	16	
17	17	17	
18	18	18	
19	19	19	
20	20	20	
NULL	NULL	NULL	

Result Grid
Form Editor
Field Types
Query Stats
Execution Plan

t1_nurse 2 x
Apply
Revert

3). insert into hospital.t1_bill(bill_id, patient_id, payment_type)
values(2, 1, 'cash');

28	15:45:16	insert into hospital.t1_bill(bill_id, patient_id, payment_type) values(1, 2, 'ca...	Error Code: 1062. Duplicate entry '1' for key 't1_bill.PRIMARY'	0.000 sec
----	----------	---	---	-----------

insert into hospital.t1_bill(bill_id, patient_id, payment_type)
values(1, 1, 'cash');

36	15:55:30	insert into hospital.t1_bill(bill_id, patient_id, payment_type) values(1, 1, 'ca...	Error Code: 1062. Duplicate entry '1' for key 't1_bill.idx_t1_bill_patient_id'	0.000 sec
----	----------	---	--	-----------

insert into hospital.t1_bill
values(1, null, 'card');

41	16:01:03	insert into hospital.t1_bill values(1, null, 'card')	Error Code: 1048. Column 'patient_id' cannot be null	0.000 sec
----	----------	--	--	-----------

alter table hospital.t1_bill
add t1_amount int default 10000;
insert into t1_bill
values(4, 3, 'cash', 100);

✓	46	16:09:01	insert into t1_bill values(4, 3, 'cash', 100)	1 row(s) affected	0.000 sec
---	----	----------	---	-------------------	-----------

4).

```

1 • insert into hospital.t1_bill
2 values(1, 2, 'cash', 10000);
3
4
5 ✖ Response: Error Code: 1452. Cannot add or update a child row: a foreign key
6 constraint fails (`hospital`.`t1_bill`, CONSTRAINT `patient_id` FOREIGN KEY
7 (`patient_id`) REFERENCES `t1_patient` (`patient_id`))
8 |

```

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Output					Context Help	Snippets
Action Output						
#	Time	Action	Message	Duration / Fetch		
56	16:29:30	Apply changes to t1_bill	No changes detected			
57	16:29:36	Apply changes to t1_bill	No changes detected			
58	16:29:42	Apply changes to t1_bill	Error 1452: Cannot add or update a child row: a foreign key constraint fail...			
59	16:30:05	SELECT * FROM hospital.t1_bill LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec		
60	16:30:17	Apply changes to t1_bill	Changes applied			
61	16:30:52	insert into hospital.t1_bill values(1, 2, 'cash', 10000)	Error Code: 1452. Cannot add or update a child row: a foreign key constr...	0.000 sec		

5).

The screenshot shows the MySQL Workbench interface. The top pane displays a SQL query:

```
1 delete from hospital.t1_patient
2 where patient_id = 1;
3
4
5
6
7
```

The bottom pane shows the execution results in a table with 5 columns: #, Time, Action, Message, and Duration / Fetch. The results are as follows:

#	Time	Action	Message	Duration / Fetch
59	16:30:05	SELECT * FROM hospital.t1_bill LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
60	16:30:17	Apply changes to t1_bill	Changes applied	
61	16:30:52	insert into hospital.t1_bill values(1, 2, 'cash', 10000)	Error Code: 1452. Cannot add or update a child row: a foreign key constr...	0.000 sec
62	16:35:32	insert into t1_patient values(1, 'sanchit', '9873849394', 'sanchit', 'sanchit', ...)	1 row(s) affected	0.000 sec
63	16:35:43	SELECT * FROM hospital.t1_bill LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
64	16:36:44	delete from hospital.t1_patient where patient_id = 1	Error Code: 1451. Cannot delete or update a parent row: a foreign key co...	0.015 sec

6).

The screenshot shows the SQL IDE interface. The query editor contains the following SQL statement:

```
1 • update hospital.t1_bill
2   set t1_amount = 1000
3   where patient_id = 1;
```

The toolbar at the top includes icons for file operations, a 'Context Help' icon (a question mark), and a 'Jump to' dropdown menu. The output window at the bottom displays the execution results:

#	Time	Action	Message	Duration / Fetch
60	16:30:17	Apply changes to t1_bill	Changes applied	
61	16:30:52	insert into hospital.t1_bill values(1, 2, 'cash', 10000)	Error Code: 1452. Cannot add or update a child row: a foreign key constr...	0.000 sec
62	16:35:32	insert into t1_patient values(1, 'sanchit', '9873849394', 'sanchit', 'sanchit', ...)	1 row(s) affected	0.000 sec
63	16:35:43	SELECT * FROM hospital.t1_bill LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
64	16:36:44	delete from hospital.t1_patient where patient_id = 1	Error Code: 1451. Cannot delete or update a parent row: a foreign key co...	0.015 sec
65	16:38:30	update hospital.t1_bill set t1_amount = 1000 where patient_id = 1	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.015 sec

No error

7).

SQL IDE interface showing the execution of SQL commands on a table named `t1_bill`.

SQL Editor:

```
1 alter table hospital.t1_bill
2 add t1_amount int default 10000;
3
4 insert into hospital.t1_bill(bill_id, patient_id, payment_type)
5 values(7,1,'card');
```

Results Grid:

bill_id	patient_id	payment_type	t1_amount
7	1	card	10000
NULL	NULL	NULL	NULL

Output:

#	Time	Action	Message	Duration / Fetch
81	16:45:15	alter table hospital.t1_bill add t1_amount int default 10000	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.016 sec
82	16:45:15	insert into hospital.t1_bill(bill_id, patient_id, payment_type) values(7,1,'card')	1 row(s) affected	0.016 sec
83	16:45:20	SELECT * FROM hospital.t1_bill LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
84	16:45:20	SELECT * FROM hospital.t1_bill LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
85	16:45:32	SELECT * FROM hospital.t1_bill LIMIT 0, 1000	1 row(s) returned	0.016 sec / 0.000 sec
86	16:45:49	SELECT * FROM hospital.t1_bill LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

8). select patient_id from hospital.t1_bill

where bill_id = 7;

select patient_id from hospital.t1_bill

where t1_amount = 10000;

select patient_id from hospital.t1_bill

where payment_type = 'card';

select * from hospital.t1_bill;

select * from hospital.t1_bill

limit 2;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	patient_id
▶	1

Result Grid

Form Editor

t1_bill 2 x Read Only

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	patient_id
▶	1

Result Grid

Form Editor

t1_bill 2 x Read Only

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	patient_id
▶	1

Result Grid

Form Editor

t1_bill 2 x Read Only

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

	bill_id	patient_id	payment_type	t1_amount
▶	7	1	card	10000
*	NULL	NULL	NULL	NULL

Result Grid

Form Editor

t1_bill 5 x Apply Revert

Result Grid				
Filter Rows: <input type="text"/>				
Edit:				
Export/Import:				
Wrap Cell Content:				
bill_id	patient_id	payment_type	t1_amount	
7	1	card	10000	
NULL	NULL	NULL	NULL	

Result Grid
Form Editor

t1_bill 5 x

Apply Revert

9).

t1_bill x

Limit to 1000 rows

1 • update hospital.t1_bill
2 set patient_id = 4
3 where t1_amount = 10000;
4
5 response: Error Code: 1175. You are using safe update mode and you tried
6 to update a table without a WHERE that uses a KEY column.
7 To disable safe mode, toggle the option in Preferences -> SQL Editor and reconnect.
8
9

SQL Additions
Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Context Help Snippets

Output
Action Output

#	Time	Action	Message	Duration / Fetch
93	16:51:44	select patient_id from hospital.t1_bill where payment_type = 'card' LIMIT ...	1 row(s) returned	0.000 sec / 0.000 sec
94	16:51:52	select * from hospital.t1_bill LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
95	16:52:18	select * from hospital.t1_bill limit 2	1 row(s) returned	0.000 sec / 0.000 sec
96	16:53:32	update hospital.t1_bill set patient_id = 4 where t1_amount = 10000	Error Code: 1175. You are using safe update mode and you tried to updat...	0.063 sec
97	16:54:51	update hospital.t1_bill set patient_id = 4 where t1_amount = 10000	Error Code: 1175. You are using safe update mode and you tried to updat...	0.000 sec
98	16:55:05	SELECT * FROM hospital.t1_patient LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec