



```

54  set message_text="cannot delete a teacher with more than 10 years experience";
55  end if;
56  end $$
57  delimiter;
58  show triggers;
59  select * from teachers;
60  delete from teachers where id=2;
61  select * from teacher_log;
62  delete from teachers where id=6;
63  drop trigger before_delete_teacher;
64
65  -- 5 Create an after delete trigger that will insert a row to teacher_log table when that row is deleted from teacher table.
66  delimiter $$
67  • create trigger after_delete_teacher
68    after delete on teachers
69    for each row
70    begin
71      insert into teacher_log(teacher_id,action,timestamp)values (old.id,"delete",now());
72    end $$
73
74  delimiter ;
75  • delete from teachers where id=2;
76
77

```

# Output

Action Output

#	Time	Action	Message
22	18:54:59	create trigger after_delete_teacher after delete on teachers for each row begin insert into teacher_log(tea...	Error Code: 1359. Trigger already exists
23	18:56:08	delete from teachers where id=2	Error Code: 1644. cannot delete a teacher with more than 10 years experience





Limit to 1000 rows

```

61 select * from teacher_log;
62 delete from teachers where id=6;
63 drop trigger before_delete_teacher;
64
65 -- 5 Create an after delete trigger that will insert a row to teacher_log table when that row is deleted from teacher table.
66 delimiter $$
67 • create trigger after_delete_teacher
68   after delete on teachers
69   for each row
70   begin
71     insert into teacher_log(teacher_id,action,timestamp)values (old.id,"delete",now());
72   end $$
73
74 delimiter ;
75 • delete from teachers where id=2;
76 • select * from teacher_log where teacher_id=2;
77

```

Result Grid Filter Rows: Export: Wrap Cell Content: [IA](#)

teacher_id	action	timestamp
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teacher\_log 6 x

Output

Action Output

#	Time	Action	Message
24	18:57:57	select * from teachers_log where teacher_id=2 LIMIT 0, 1000	Error Code: 1146. Table 'entry_d42.teachers_log' doesn't exist
25	19:01:27	select * from teacher_log where teacher_id=2 LIMIT 0, 1000	0 row(s) returned



Search



ENC  
IN



Limit to 1000 rows

```
1 • use entry_d42;
2 -- 1. Create a table named teachers with fields id, name, subject, experience and salary and insert 8 rows.
3 • create table Teachers(id int primary key,name varchar(50),subject varchar(50),experiance int,salary decimal(10,2));
4 • insert into teachers(id,name,subject,experience,salary)values
5      (1,"Anand","mathematcis",5,50000.00),(2,"Varun","English",11,75000.00),
6      (3,"Sandhya","Chemistry",4,35000.00),(4,"Ajay","Physics",10,60000.00),
7      (5,"Surya","Hindhi",8,65000.00),(6,"Manu","Science",15,80000.00)
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: [IA](#)

	id	name	subject	experiance	salary
▶	1	Anand	mathematcis	5	50000.00
	3	Sandhya	Chemistry	4	35000.00
	4	Ajay	Physics	10	60000.00
	5	Surya	Hindhi	8	65000.00
	6	Manu	Science	15	80000.00
	7	Karthik	Malayalam	6	43000.00
	8	Priya	Politics	13	74000.00
*	NULL	NULL	NULL	NULL	NULL

teachers 1 x

Output



Search



ENC  
IN





Limit to 1000 rows



```

8          (7,"Karthik","Malayalam",6,43000.00),(8,"Priya","Politics",13,74000.00);
9 • drop table teachers;
10
11 • select * from teachers;
12 -- 2.Create a before insert trigger named before_insert_teacher that will raise an error "salary cannot be negative" if the salary inserted to
13 delimiter $$
14 create trigger before_insert_teacher
15 before insert on teachers
16 for each row
17 begin
18 if new.salary<0 then
19 signal sqlstate"45000"
20 set message_text="salary cannot be negative";
21 end if;
22 end;
23 delimiter ;
24
25 • SHOW TRIGGERS;
26
27 • INSERT INTO teachers values(9,"ABC","social",10,-45000.00);
28
29
30 -- 3. Create an after insert trigger named after_insert_teacher that inserts a row with teacher_id,action, timestamp to a table called
31 -- teacher_log when a new entry gets inserted to the teacher table. tecaheer_id -> column of teacher table, action -> the
    
```

Output

Action Output

#	Time	Action	Message
✓ 3	21:46:31	select * from teachers LIMIT 0, 1000	7 row(s) returned
✗ 4	21:47:15	INSERT INTO teachers values(9,"ABC","social",10,-45000.00)	Error Code: 1644. salary cannot be negative



Search



ENC  
IN



Limit to 1000 rows

```

30 -- 3. Create an after insert trigger named after_insert_teacher that inserts a row with teacher_id,action, timestamp to a table called
31 -- teacher_log when a new entry gets inserted to the teacher table. tecahe_id -> column of teacher table, action -> the
32 -- trigger action, timestamp -> time at which the new row has got inserted.
33
34 • create table teacher_log(teacher_id int,action varchar(50),timestamp datetime);
35 delimiter $$
36 create trigger after_insert_teacher
37 after insert on teachers
38 for each row
39 begin
40 insert into teacher_log(teacher_id,action,timestamp)values(new.id,"insert",now());
41 end;
42 delimiter ;
43 • show triggers;
44 • insert into teachers(id,name,subject,experiance,salary) values (11,"Mariya","biology",8,58000);
45 • select * from teacher_log where teacher_id=11;

```

Result Grid Filter Rows: Export: Wrap Cell Content: [IA](#)

	teacher_id	action	timestamp
▶	11	insert	2024-12-13 21:55:29

teacher\_log 4 x

Output

Action Output

#	Time	Action	Message
✓ 9	21:55:29	insert into teachers(id,name,subject,experiance,salary) values (11,"Mariya","biology",8,58000)	1 row(s) affected
✓ 10	21:56:23	select * from teacher_log where teacher_id=11 LIMIT 0, 1000	1 row(s) returned



Search



ENC  
IN