








```

10 (2, 'Bob', 'Chemistry', 3, 55000),
11 (3, 'Charlie', 'English', 5, 45000),
12 (4, 'Diana', 'History', 10, 60000),
13 (5, 'Eve', 'Physics', 4, 42000),
14 (6, 'Frank', 'Science', 9, 58000),
15 (7, 'Grace', 'Biology', 7, 56000),
16 (8, 'Hank', 'Maths', 6, 53000);
17 • select * from teachers;
18
19 ##### 2.create 'before insert' trigger to prevent negative salary
20 DELIMITER $$
21 CREATE TRIGGER before_insert_teacher
22 BEFORE INSERT ON teachers
23 FOR EACH ROW
24 ☹ BEGIN

```

	id	name	subject	experience	salary
▶	1	Alice	Geography	8	50000.00
	2	Bob	Chemistry	3	55000.00
	3	Charlie	English	5	45000.00
	4	Diana	History	10	60000.00
	5	Eve	Physics	4	42000.00
	6	Frank	Science	9	58000.00
	7	Grace	Biology	7	56000.00
	8	Hank	Maths	6	53000.00
✱	NULL	NULL	NULL	NULL	NULL

```
31 • select * from teachers;
```

Result Grid    Filter Rows: \_\_\_\_\_ Edit:    Export/Import:   Wrap Cell Content: 

1	Alice	Geography	8	50000.00	Grid
2	Bob	Geography	8	50000.00	

4	Diana	History	10	60000.00
---	-------	---------	----	----------

6	Frank	Science	9	58000.00
---	-------	---------	---	----------

Field	Value
id	6
name	Mark
email	Mark
password	6
total	55000.00

teachers 7 x Apply Revert

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MySQL Workbench

Local instance MySQL80

FileEditViewQueryDatabaseServerToolsScriptingHelp

SQL

SQL

Limit to 300 rows

Navigator

SCHEMAS

Filter objects

student

student1

teacher\_log

students

student\_log

teachers

worker

Administration

Schemas

Information

Table: teacher\_log

Triggers

Triggers workout\*

10.Triggers\*

END;

DELIMITER ;

select \* from teachers;

##### 5.Create an 'after delete' trigger

DELIMITER \$\$

CREATE TRIGGER after\_delete\_teacher

AFTER DELETE ON teachers

FOR EACH ROW

BEGIN

INSERT INTO teacher\_log (teacher\_id, action, timestamp)

VALUES (OLD.id, 'DELETE', NOW());

END;

DELIMITER ;

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

	id	name	subject	experience	salary
▶	1	Alice	Geography	8	50000.00
	2	Bob	Chemistry	3	55000.00
	3	Charlie	English	5	45000.00
	4	Diana	History	10	60000.00
	5	Eve	Physics	4	42000.00
	6	Frank	Science	9	58000.00
	7	Grace	Biology	7	56000.00
	8	Hank	Maths	6	53000.00
*	NULL	NULL	NULL	NULL	NULL

Object Info

Session

teachers 8

Apply

Revert

Watchlist

Search

ENG IN

22:40

02-12-2024

MySQL Workbench

Local instance MySQL80

FileEditViewQueryDatabaseServerToolsScriptingHelp

SQL

SQL

Triggers new

Limit to 300 rows

SCHEMAS

Filter objects

student\_log

students

worker

Views

Stored Procedures

Functions

library

AdministrationSchemas

No object selected

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

experience INT,

salary DECIMAL(10, 2)

);

INSERT INTO teachers (id, name, subject, experience, salary) VALUES

(1, 'Alice', 'Geography', 8, 50000),

(2, 'Bob', 'Chemistry', 3, 55000),

(3, 'Charlie', 'English', 5, 45000),

(4, 'Diana', 'History', 10, 60000),

(5, 'Eve', 'Physics', 4, 42000),

(6, 'Frank', 'Science', 9, 58000),

(7, 'Grace', 'Biology', 7, 56000),

(8, 'Hank', 'Maths', 6, 53000);

select \* from teachers;

DELIMITER \$\$

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

	id	name	subject	experience	salary
▶	1	Alice	Geography	8	50000.00
	2	Bob	Chemistry	3	55000.00
	3	Charlie	English	5	45000.00
	4	Diana	History	10	60000.00
	5	Eve	Physics	4	42000.00
	6	Frank	Science	9	58000.00
	7	Grace	Biology	7	56000.00
	8	Hank	Maths	6	53000.00
*	NULL	NULL	NULL	NULL	NULL

Object Info

Session

teachers 1

Apply

Revert

Result Grid

Form Editor

Field Types

Search

05:58

18-12-2024

MySQL Workbench

Local instance MySQL80

FileEditViewQueryDatabaseServerToolsScriptingHelp

SQL

SQL

Triggers new

Limit to 300 rows

SCHEMAS

Filter objects

staff

student

student1

student\_log

students

worker

Views

AdministrationSchemas

Information

No object selected

14

(5, 'Eve', 'Physics', 4, 42000),

15

(6, 'Frank', 'Science', 9, 58000),

16

(7, 'Grace', 'Biology', 7, 56000),

17

(8, 'Hank', 'Maths', 6, 53000);

18

select \* from teachers;

19

DELIMITER \$\$

20

CREATE TRIGGER before\_insert\_teacher

21

BEFORE INSERT ON teachers

22

FOR EACH ROW

23

BEGIN

24

IF NEW.salary < 0 THEN

25

SIGNAL SQLSTATE '45000'

26

SET MESSAGE\_TEXT = 'Salary cannot be negative';

27

END IF;

28

END;

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

	id	name	subject	experience	salary
▶	1	Alice	Geography	8	50000.00
	2	Bob	Chemistry	3	55000.00
	3	Charlie	English	5	-45000.00
	4	Diana	History	10	60000.00
	5	Eve	Physics	4	42000.00
	6	Frank	Science	9	58000.00
	7	Grace	Biology	7	56000.00
	8	Hank	Maths	6	53000.00
*	NULL	NULL	NULL	NULL	NULL

teachers 9

Object Info

Session

Apply

Revert

27°C

Partly cloudy

Search

ENG IN

06:08

18-12-2024