

SQL ASSIGNMENT_9 SQL File 3* SQL File 4* x SQL

Limit to 500 rows

```

1 • create database school;
2 • use school;
3
4 • CREATE TABLE teachers (id INT PRIMARY KEY,name VARCHAR(50),subject VARCHAR(50),experience INT,salary DECIMAL(10, 2));
5
6 • INSERT INTO teachers (id, name, subject, experience, salary) VALUES
7 (1, 'ADAM', 'Mathematics', 5, 50000),
8 (2, 'BOB', 'Physics', 12, 70000),
9 (3, 'CHARLES', 'Chemistry', 8, 60000),
10 (4, 'SAM', 'Biology', 15, 75000),
11 (5, 'DAVID', 'History', 3, 40000),
12 (6, 'MULLER', 'Geography', 10, 55000),
13 (7, 'RIBERY', 'English', 2, 45000),
14 (8, 'KANE', 'Computer Science', 7, 65000);









```

Output






Action Output

#	Time	Action	Message
3	14:28:53	CREATE TABLE teachers (id INT PRIMARY KEY,name VARCHAR(50),subject VARCHAR(50),experie...	0 row(s) affected
4	14:28:58	INSERT INTO teachers (id, name, subject, experience, salary) VALUES (1, 'ADAM', 'Mathematics', 5, 5...	8 row(s) affected Records: 8 Duplicates: 0 Warnings: 0

SQL_ASSIGNMENT_9SQL File 3*SQL File 4* x



Limit to 500 rows



```
8      (2, 'BOB', 'Physics', 12, 70000),
9      (3, 'CHARLES', 'Chemistry', 8, 60000),
10     (4, 'SAM', 'Biology', 15, 75000),
11     (5, 'DAVID', 'History', 3, 40000),
12     (6, 'MULLER', 'Geography', 10, 55000),
13     (7, 'RIBERY', 'English', 2, 45000),
14     (8, 'KANE', 'Computer Science', 7, 65000);
15
16     DELIMITER $$
17     CREATE TRIGGER before_insert_teacher
18     BEFORE INSERT ON teachers
19     FOR EACH ROW
20     BEGIN
21         IF NEW.salary < 0 THEN
22             SIGNAL SQLSTATE '45000'
23             SET MESSAGE_TEXT = 'Salary cannot be negative';
24         END IF;
25     END;
26     $$
27     DELIMITER ;
```

Output

Action Output

#	Time	Action	Message
✓ 4	14:28:58	INSERT INTO teachers (id, name, subject, experience, salary) VALUES (1, 'ADAM', 'Mathematics', 5, 5...	8 row(s) affected Records: 8 Duplicates: 0 Warnings: 0
✓ 5	14:29:54	CREATE TRIGGER before_insert_teacher BEFORE INSERT ON teachers FOR EACH ROW BEGIN ...	0 row(s) affected

```
24     END IF;
25 END;
26 $$
27 DELIMITER ;
28
29 • CREATE TABLE teacher_log (teacher_id INT,action VARCHAR(50),timestamp DATETIME);
30
31 DELIMITER $$
32 • CREATE TRIGGER after_insert_teacher
33 AFTER INSERT ON teachers
34 FOR EACH ROW
35 BEGIN
36     INSERT INTO teacher_log (teacher_id, action, timestamp)
37     VALUES (NEW.id, 'INSERT', NOW());
38 END;
39 $$
40 DELIMITER ;
41
42
43
```

Output

Action Output

#	Time	Action	Message
✖ 7	14:33:52	CREATE TABLE teacher_log (teacher_id INT,action VARCHAR(50),timestamp DATETIME)	Error Code: 1050. Table 'teacher_log' already exists
✔ 8	14:34:07	CREATE TRIGGER after_insert_teacher AFTER INSERT ON teachers FOR EACH ROW BEGIN IN...	0 row(s) affected


```
54
55 DELIMITER $$
56 • CREATE TRIGGER after_delete_teacher
57 AFTER DELETE ON teachers
58 FOR EACH ROW
59 BEGIN
60     INSERT INTO teacher_log (teacher_id, action, timestamp)
61     VALUES (OLD.id, 'DELETE', NOW());
62 END;
63 $$
64 DELIMITER ;
```

Output			
Action Output			
#	Time	Action	Message
10	14:36:53	CREATE TRIGGER before_delete_teacher BEFORE DELETE ON teachers FOR EACH ROW BEGIN ...	Error Code: 1359. Trigger already exists
11	14:36:57	CREATE TRIGGER after_delete_teacher AFTER DELETE ON teachers FOR EACH ROW BEGIN I...	0 row(s) affected