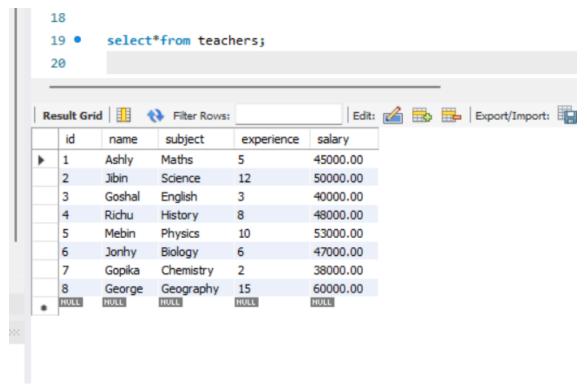
1. Create a table named teachers with fields id, name, subject, experience and salary and insert 8 rows.



2. Create a before insert trigger named before_insert_teacher that will raise an error "salary cannot be negative" if the salary inserted to the table is less than zero.

```
DELIMITER //
 21
 22
       CREATE TRIGGER before_insert_teacher
 23 •
        BEFORE INSERT ON teachers
 24
       FOR EACH ROW
 25
 26 ⊝ BEGIN
 27 🖨
           IF NEW.salary < 0 THEN
              SIGNAL SQLSTATE '45000'
 28
               SET MESSAGE_TEXT = 'Salary cannot be negative';
 29
 30
            END IF;
 31
       END //
 32
        DELIMITER;
 33
 34
 35 •
       INSERT INTO teachers (id, name, subject, experience, salary)
Action Output
              Action
                                                                                         Message
     4 21:52:10 select from teachers LIMIT 0, 1000
                                                                                        8 row(s) returned
     6 21:55:24 INSERT INTO teachers (id, name, subject, experience, salary) VALUES (9, 'Mariya', 'Economics', 7, -10000)
                                                                                        Error Code: 1644. Salary cannot be negative
```

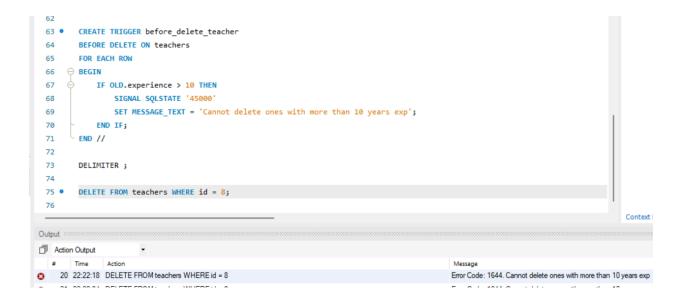
3. Create an after insert trigger named after_insert_teacher that inserts a row with teacher_id,action, timestamp to a table called teacher_log when a new entry gets inserted to the teacher table. tecaher_id -> column of teacher table, action -> the trigger action, timestamp -> time at which the new row has got inserted.

```
45 •
         CREATE TRIGGER after_insert_teacher
 46
         AFTER INSERT ON teachers
         FOR EACH ROW
 47
 48

→ BEGIN

             INSERT INTO teacher_log (teacher_id, action, log_timestamp)
 49
             VALUES (NEW.id, 'INSERT', NOW());
 50
 51
         END //
 52
         DELIMITER;
 53
 54
         INSERT INTO teachers (id, name, subject, experience, salary)
 55 •
         VALUES (9, 'Mariya', 'Economics', 7, 55000);
 56
 57
         SELECT * FROM teacher log;
 58 •
Result Grid
                                                      Wrap Cell Content: TA
              Filter Rows:
   teacher_id
             action
                     log_timestamp
                     2024-11-23 22:15:59
             INSERT
```

4. Create a before delete trigger that will raise an error when you try to delete a row that has experience greater than 10 years.



5. Create an after delete trigger that will insert a row to teacher_log table when that row is deleted from teacher table.

