```sql
#2nd question
delimiter $$
create trigger before_teacher_insert
before insert on teachers for each row
begin
if new.salary<0 then
SIGNAL SQLSTATE '45000' SET MESSAGE_TEXT="salary CAANOT be negative";
end if;
end $$
delimiter ;

insert into teachers(fullname, subjects, experience, salary) values
('Johnson Ali', 'Mathematics', 9, -50000);
```

Context Help

Action Output

#	Time	Action	Message
5	12:05:06	insert into teachers(fullname, subjects, experience, salary) values ('Alice Johnson', 'Mathematics', 5, 50000), ('B...	8 row(s) affected Records: 8 Duplicates: 0 Warnings: 0
6	12:05:58	select * from teachers LIMIT 0, 1000	8 row(s) returned
7	12:13:18	CREATE TABLE teacher_log (teacher_id INT, action VARCHAR(50), action_time TIMESTAMP DEFAULT ...	0 row(s) affected
8	12:13:31	select * from teacher_log LIMIT 0, 1000	0 row(s) returned
9	12:19:00	create trigger before_teacher_insert before insert on teachers for each row begin if new.salary<0 then SIGNAL ...	0 row(s) affected
10	12:20:06	insert into teachers(fullname, subjects, experience, salary) values ('Johnson Ali', 'Mathematics', 9, -50000)	Error Code: 1644. salary CAANOT be negative

```sql
40    #3rd question
41    delimiter $$
42 ●  create trigger after_teacher_insert
43    after insert on teachers for each row
44 ⊖  begin
45    insert into teacher_log (teacher_id, action) values (new.id,'new entry');
46    end $$
47    delimiter ;
48
49 ●  insert into teachers(fullname, subjects, experience, salary) values
50    ('Johnson Ali', 'Mathematics', 9, 50000);
51 ●  select * from teacher_log;
```

Result Grid	🔍 Filter Rows:	Export:	Wrap Cell Content: $\overline{IA}$

teacher_id	action	action_time
▶ 9	new entry	2024-11-18 12:23:12

```sql
#4th question
delimiter $$
create trigger before_teacher_delete
before delete on teachers for each row
begin
if old.experience>10 then
SIGNAL SQLSTATE '45000' SET MESSAGE_TEXT="CANNOT delete data with experience > 10 years";
end if;
end $$
delimiter ;
delete from teachers where experience>10;
```

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Action Output ▼

#	Time	Action	Message
12	12:22:35	create trigger after_teacher_insert after insert on teachers for each row begin insert into teacher_log (teacher_i...	Error Code: 1054. Unknown column 'teacher_id' in 'NEW'
13	12:22:54	create trigger after_teacher_insert after insert on teachers for each row begin insert into teacher_log (teacher_i...	0 row(s) affected
14	12:23:12	insert into teachers(fullname, subjects, experience, salary) values ('Johnson Ali', 'Mathematics', 9, 50000)	1 row(s) affected
15	12:23:26	select * from teacher_log LIMIT 0, 1000	1 row(s) returned
16	12:26:17	create trigger before_teacher_delete before delete on teachers for each row begin if old.experience>10 then SI...	0 row(s) affected
17	12:27:07	delete from teachers where experience>10	Error Code: 1644. CANNOT delete data with experience > 10 years

```sql
65    #5th question
66    DELIMITER $$
67  ●    CREATE TRIGGER after_delete_teacher
68         AFTER DELETE ON teachers
69         FOR EACH ROW
70         BEGIN
71             INSERT INTO teacher_log (teacher_id, action)
72             VALUES (OLD.id, 'AFTER DELETE');
73         END $$
74    DELIMITER ;
75
76  ●   delete from teachers where id=5;
77  ●   select * from teacher_log;
```

| Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

teacher_id	action	action_time
9	new entry	2024-11-18 12:23:12
5	AFTER DELETE	2024-11-18 12:34:09

teacher_log 5 ×