

Create a row level trigger that no update can reduce an employee salary.

```
DELIMITER |
CREATE TRIGGER PreventEmployeeSalaryReduction
INSTEAD OF UPDATE ON employee
FOR EACH ROW
BEGIN
    IF OLD.salary_hour <= NEW.salary_hour THEN
        UPDATE employee
        SET salary_hour = NEW.salary_hour
    END IF;
END
|
DELIMITER ;
```

Create a tuple level check constraint that checks that all employees make at least 12 dollars per hour

```
ALTER TABLE employee
    ADD CHECK (salary_hour >= 12);
```

Find the maximum length of supervisor employees for any employee of ARC?
(Eg if an employee reports to someone who in turn reports to someone without a boss, their length is 2)

```
WITH RECURSIVE supervisor_length(card_id, supervisor_card_id, depth) AS (
    SELECT card_id, supervisor_card_id, 0 as depth
    FROM employee AS e
    WHERE e.supervisor_card_id IS NULL
    UNION
    SELECT m.card_id, m.supervisor_card_id, s.depth + 1
    FROM employee AS m
    JOIN supervisor_length s ON m.supervisor_card_id = s.card_id
)

SELECT MAX(depth)
FROM supervisor_length;
```
