PL/ SQL – Trigger

You are working as a database developer for a company that wants to track changes in employees' skills. The company stores employee information in a main table and their skills in a nested table. Whenever an employee's skill set is updated, an audit log should be maintained.

1. Create the Main Table: employees_UserID with columns:
    id (Primary Key, auto-increment)
    name (VARCHAR2(100))
    position (VARCHAR2(50))
    salary (NUMBER(10, 2))
    skills (a nested table of skill names)
    created_at (TIMESTAMP)

2. Create the Nested Table Type: skill_list for storing skill names.

3. Create the Audit Table: employees_audit with columns:
    id (Primary Key, auto-increment)
    employee_id (Foreign Key referencing employees)
    action (VARCHAR2(50))
    old_skills (a nested table of old skill names)
    new_skills (a nested table of new skill names)
    changed_at (TIMESTAMP)

4. Create a Trigger: after_employee_update that changes in the employees_audit table whenever an employee's skills are updated.

Note:

Copied Assignments will be marked 0
Submit the Assignment online before the deadline
Screen shots must be clear and relevant
Explanations must be clear, accurate and relevant

Answers submitted without following instructions will not get passing marks
Proper explanation must be included (copy and paste the code is not an explanation)
Just the screen shots will receive no marks
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