## Assessment - SQL

```
Q. CREATE TABLE employees (
Employee_id INT AUTO_INCREMENT PRIMARY KEY, name
VARCHAR (100),
position VARCHAR (100), salary DECIMAL (10, 2), hire date
DATE
);
CREATE TABLE employee_audit (
audit id INT AUTO INCREMENT PRIMARY KEY,
employee id INT,
name VARCHAR
(100),
position VARCHAR (100), salary DECIMAL (10, 2), hire_date
DATE,
action_date TIMESTAMP DEFAULT CURRENT_TIMESTAMP
);
INSERT INTO employees (name, position, salary, hire date)
VALUES ('John Doe',
'Software Engineer', 80000.00, '2022-01-15'),
('Jane Smith', 'Project Manager', 90000.00, '2021-05-22'),
```

('Alice Johnson', 'UX Designer', 75000.00, '2023-03-01');

create a Trigger that will insert a record into the employee\_audit table every time a new employee is added to the employee's table:

We have an employee's table, and we want to create a stored procedure to add a

new employee and automatically log this action in an employee\_audit table.

**A-**Table for input data in employee table:



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Query for creating trigger for inserting record into the employee\_audit table every time a new employee is added to the employee's table:

## **DELIMITER \$\$**

CREATE TRIGGER after\_employee\_insert

**AFTER INSERT ON employees** 

FOR EACH ROW

**BEGIN** 

INSERT INTO employee\_audit (employee\_id, name, position, salary, hire\_date)

VALUES (NEW.Employee\_id, NEW.name, NEW.position, NEW.salary, NEW.hire date);

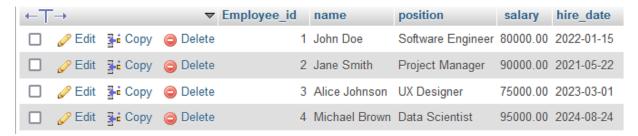
END\$\$

**DELIMITER**;

After creating trigger final output:

INSERT INTO employees (name, position, salary, hire\_date)

VALUES ('Michael Brown', 'Data Scientist', 95000.00, '2024-08-24');



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In employee\_audit table:

