SQL Assessment

mysql> select \* from employeess;

+-------------+---------------+-------------------+----------+------------+

| employee\_Id | Name | position | salary | hire\_date |

+-------------+---------------+-------------------+----------+------------+

| 1 | John Deo | software engineer | 80000.00 | 2022-01-15 |

| 2 | Jane Smith | Project Manager | 90000.00 | 2021-05-22 |

| 3 | Alice Johnson | UX Designer | 75000.00 | 2023-03-01 |

+-------------+---------------+-------------------+----------+------------+

3 rows in set (0.01 sec)

mysql> describe employee\_audit;

+-------------+---------------+------+-----+-------------------+-------------------+

| Field | Type | Null | Key | Default | Extra |

+-------------+---------------+------+-----+-------------------+-------------------+

| auditId | int | NO | PRI | NULL | auto\_increment |

| employee\_Id | int | YES | | NULL | |

| Name | varchar(100) | YES | | NULL | |

| position | varchar(100) | YES | | NULL | |

| salary | decimal(10,2) | YES | | NULL | |

| hire\_date | date | YES | | NULL | |

| action\_date | timestamp | YES | | CURRENT\_TIMESTAMP | DEFAULT\_GENERATED |

+-------------+---------------+------+-----+-------------------+-------------------+

7 rows in set (0.01 sec)

mysql> delimiter //

mysql> create trigger after\_insert\_employee after insert on employeess

-> 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 //

Query OK, 0 rows affected (0.05 sec)

mysql> delimiter ;

mysql> insert into employeess values(4,'ram','DA',52000,'2021-02-2')

-> ;

Query OK, 1 row affected (0.02 sec)

mysql> insert into employeess values(5,'Dhruv','DS',82000,'2011-02-3');

Query OK, 1 row affected (0.01 sec)

mysql> select \* from employeess;

+-------------+---------------+-------------------+----------+------------+

| employee\_Id | Name | position | salary | hire\_date |

+-------------+---------------+-------------------+----------+------------+

| 1 | John Deo | software engineer | 80000.00 | 2022-01-15 |

| 2 | Jane Smith | Project Manager | 90000.00 | 2021-05-22 |

| 3 | Alice Johnson | UX Designer | 75000.00 | 2023-03-01 |

| 4 | ram | DA | 52000.00 | 2021-02-02 |

| 5 | Dhruv | DS | 82000.00 | 2011-02-03 |

+-------------+---------------+-------------------+----------+------------+

5 rows in set (0.00 sec)

mysql> select \* from employee\_audit;

+---------+-------------+-------+----------+----------+------------+---------------------+

| auditId | employee\_Id | Name | position | salary | hire\_date | action\_date |

+---------+-------------+-------+----------+----------+------------+---------------------+

| 1 | 4 | ram | DA | 52000.00 | 2021-02-02 | 2025-04-21 11:26:33 |

| 2 | 5 | Dhruv | DS | 82000.00 | 2011-02-03 | 2025-04-21 11:27:24 |

+---------+-------------+-------+----------+----------+------------+---------------------+

2 rows in set (0.00 sec)

mysql> delimiter //

mysql> create procedure add\_employee(IN emp\_name varchar(25),IN emp\_position varchar(25),IN emp\_salary decimal(10,2),IN emp\_hire\_date date)

-> begin

-> insert into employeess(name,position,salary,hire\_date)values(emp\_name,emp\_position,emp\_salary,emp\_hire\_date);

->

-> end //

Query OK, 0 rows affected (0.04 sec)

mysql> delimiter ;

mysql> call add\_employee('Nirav','Designer',85000,'2023-02-12');

Query OK, 1 row affected (0.01 sec)

mysql> select \* from employeess;

+-------------+---------------+-------------------+----------+------------+

| employee\_Id | Name | position | salary | hire\_date |

+-------------+---------------+-------------------+----------+------------+

| 1 | John Deo | software engineer | 80000.00 | 2022-01-15 |

| 2 | Jane Smith | Project Manager | 90000.00 | 2021-05-22 |

| 3 | Alice Johnson | UX Designer | 75000.00 | 2023-03-01 |

| 4 | ram | DA | 52000.00 | 2021-02-02 |

| 5 | Dhruv | DS | 82000.00 | 2011-02-03 |

| 6 | Nirav | Designer | 85000.00 | 2023-02-12 |

+-------------+---------------+-------------------+----------+------------+

6 rows in set (0.00 sec)

mysql> select \* from employee\_audit;

+---------+-------------+-------+----------+----------+------------+---------------------+

| auditId | employee\_Id | Name | position | salary | hire\_date | action\_date |

+---------+-------------+-------+----------+----------+------------+---------------------+

| 1 | 4 | ram | DA | 52000.00 | 2021-02-02 | 2025-04-21 11:26:33 |

| 2 | 5 | Dhruv | DS | 82000.00 | 2011-02-03 | 2025-04-21 11:27:24 |

| 3 | 6 | Nirav | Designer | 85000.00 | 2023-02-12 | 2025-04-21 11:32:50 |

+---------+-------------+-------+----------+----------+------------+---------------------+

3 rows in set (0.00 sec)

mysql>