EXPRIMENT – 7

SQL query based on DML

1. **Change salary of employee 115 to 8000 if the existing salary is less than 6000.**

   UPDATE employees
   SET salary = 8000
   WHERE employee_id = 115 AND salary < 6000;

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
100	Steven	King	SKING	515.123.4567	17-JUN-87	AD_PRES	24000	-	-	90
101	Neena	Kochhar	NKOCHHAR	515.123.4568	21-SEP-89	AD_VP	17000	-	100	90
102	Lex	De Haan	LDEHAAN	515.123.4569	13-JAN-93	AD_VP	17000	-	100	90
114	Den	Raphaely	DRAPHEAL	515.127.4561	07-DEC-94	PU_MAN	11000	-	100	30
115	Alexander	Khoo	AKHOO	515.127.4562	18-MAY-95	PU_CLERK	8000	-	114	30
116	Shelli	Baida	SBAIDA	515.127.4563	24-DEC-97	PU_CLERK	2900	-	114	30

2. **Change job ID of employee 110 to IT_PROG if the employee belongs to department 10 and the existing job ID does not start with IT.**
   UPDATE employees
   SET job_id = 'IT_PROG'
   WHERE employee_id = 110
    AND department_id = 10
    AND job_id NOT LIKE 'IT%';

Results   Explain   Describe   Saved SQL   History

0 row(s) updated.

0.00 seconds

3. **Insert a row into departments table with manager ID 120 and location ID in any location ID for city Tokyo.**
   INSERT INTO departments (department_id, department_name, manager_id, location_id)
   VALUES (125, 'New',120,(
        SELECT location_id
        FROM locations
        WHERE city = 'Tokyo'));

Results   Explain   Describe   Saved SQL   History

1 row(s) inserted.

0.02 seconds

DEPARTMENT_ID	DEPARTMENT_NAME	MANAGER_ID	LOCATION_ID
125	New	120	1200
10	Administration	200	1700
20	Marketing	201	1800
30	Purchasing	114	1700

4 . Insert a new employee into employees with all the required details.

INSERT INTO employees (employee_id, first_name, last_name, email, phone_number, hire_date, job_id, salary, commission_pct, manager_id, department_id)
VALUES (123, 'John', 'Doe', 'johndo', '555-1234' SYSDATE, 'SA_REP' 5000, 0.1, 101, 30);

```
1 row(s) inserted.

0.00 seconds
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EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
920	John	Doe	johndoe	555.123.4988	23-MAY-24	SA_REP	5000	.1	101	30
100	Steven	King	SKING	515.123.4567	17-JUN-87	AD_PRES	24000	-	-	90
101	Neena	Kochhar	NKOCHHAR	515.123.4568	21-SEP-89	AD_VP	17000	-	100	90
102	Lex	De Haan	LDEHAAN	515.123.4569	13-JAN-93	AD_VP	17000	-	100	90

5. Delete department 20.

DELETE FROM departments
WHERE department_id = 20;

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ORA-01400: cannot insert NULL into ("HR"."DEPARTMENTS"."DEPARTMENT_ID")
```