

Lab - 7

SQL query based on DML

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

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

Results Explain Describe Saved SQL History

OUTPUT

1 row(s) updated.

0.02 seconds

| EMPLOYEE_ID | FIRST_NAME | LAST_NAME | EMAIL | PHONE_NUMBER | HIRE_DATE | JOB_ID | SALARY | COMMISSION_PCT | MANAGER_ID | DEPARTMENT_ID |
|-------------|------------|-----------|-------|--------------|-----------|----------|--------|----------------|------------|---------------|
| 115 | Alexander | Khao | AKH00 | 515.127.4562 | 18-MAY-95 | PU_CLERK | 8000 | - | 114 | 30 |

1 rows returned in 0.02 seconds

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.

QUERY 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

OUTPUT 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.

QUERY 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

OUTPUT

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, manager_id, department_id)

QUERY

VALUES (332, 'Ravi', 'Shukla',
'agoda', '516.027.2962', '16-APR-24',
'PU_CLERK', 10000, 114, 30)

1 row(s) inserted.

OUTPUT

0.03 seconds

| EMPLOYEE_ID | FIRST_NAME | LAST_NAME | EMAIL | PHONE_NUMBER | HIRE_DATE | JOB_ID | SALARY | COMMISSION_PCT | MANAGER_ID | DEPARTMENT_ID |
|-------------|------------|-----------|----------|--------------|-----------|----------|--------|----------------|------------|---------------|
| 332 | Ravi | Shukla | agoda | 516.027.2962 | 16-APR-24 | PU_CLERK | 10000 | - | 114 | 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 |
| 103 | Alexander | Hunold | AHUNOLD | 590.423.4567 | 03-JAN-90 | IT_PROG | 9000 | - | 102 | 60 |
| 104 | Bruce | Ernst | BERNST | 590.423.4568 | 21-MAY-91 | IT_PROG | 6000 | - | 103 | 60 |
| 105 | David | Austin | DAUSTIN | 590.423.4569 | 25-JUN-97 | IT_PROG | 4800 | - | 103 | 60 |
| 106 | Valli | Pataballa | VPATABAL | 590.423.4560 | 05-FEB-98 | IT_PROG | 4800 | - | 103 | 60 |

5. Delete department 20.

DELETE FROM departments

QUERY WHERE department_id = 20

ORA-02292: integrity constraint (HR.EMP_DEPT_FK) violated - child record found

OUTPUT