CREATE TABLE employee (

employee\_id NUMBER(6) PRIMARY KEY,

first\_name VARCHAR2(50),

last\_name VARCHAR2(50),

email VARCHAR2(100),

phone\_number VARCHAR2(20),

hire\_date DATE,

salary NUMBER(10,2),

commission\_pct NUMBER(3,2),

manager\_id NUMBER(6),

department\_id NUMBER(6)

);

INSERT INTO employee VALUES (101, 'selva', 'kumar', 'selva@xyz.com', '9350454613', TO\_DATE('05-JAN-1990', 'DD-MON-YYYY'), 20000, 0.20, 104, 201);

INSERT INTO employee VALUES (102, 'muthu', 'Kumar', 'muthu@xyz.com', '7250548158', TO\_DATE('08-FEB-1991', 'DD-MON-YYYY'), 30000, 0.10, 104, 201);

INSERT INTO employee VALUES (103, 'selva', 'lakshmi', 'Selva1@xyz.com', '8795488162', NULL, 40000, NULL, 104, 201);

INSERT INTO employee VALUES (104, 'anu', 'Sree', 'anu@xyz.com', '8495188645', TO\_DATE('22-MAR-1989', 'DD-MON-YYYY'), 60000, 0.10, 104, 201);

INSERT INTO employee VALUES (105, 'bharath', 'Rajan', 'bharathi@x', '6548521486', NULL, 20000, NULL, 105, 202);

INSERT INTO employee VALUES (106, 'muthu', 'Selvi', NULL, '9874525842', TO\_DATE('26-APR-1994', 'DD-MON-YYYY'), 80000, 0.10, 105, 202);

INSERT INTO employee VALUES (107, 'devi', 'Priya', 'devi@xyz.com', '8547962140', NULL, 70000, 0.20, 105, 203);

INSERT INTO employee VALUES (108, 'selva', 'Kumari', NULL, '7589632410', TO\_DATE('31-SEP-1990', 'DD-MON-YYYY'), 30000, 0.10, 108, 203);

INSERT INTO employee VALUES (109, 'Tamil', 'Arasi', 'tamil@xyz.com', '8546231189', TO\_DATE('29-OCT-1997', 'DD-MON-YYYY'), 50000, 0.50, 108, 204);

INSERT INTO employee VALUES (110, 'maha', 'laxmi', 'maha@xyz.com', '8745962311', NULL, 70000, 0.10, 108, 204);

SELECT \* FROM employee;

1. Create a cursor to modify the salary of employee belonging to all departments by

150%.

DECLARE

CURSOR emp\_cursor IS

SELECT employee\_id, salary FROM employee;

v\_emp\_id employee.employee\_id%TYPE;

v\_salary employee.salary%TYPE;

BEGIN

OPEN emp\_cursor;

LOOP

FETCH emp\_cursor INTO v\_emp\_id, v\_salary;

EXIT WHEN emp\_cursor%NOTFOUND;

UPDATE employee

SET salary = v\_salary \* 1.5

WHERE employee\_id = v\_emp\_id;

END LOOP;

CLOSE emp\_cursor;

COMMIT;

DBMS\_OUTPUT.PUT\_LINE('Salaries updated successfully.');

END;

/

2. Retrieve all employee mail id and concatenate them and store the details into

another table using cursors.

DECLARE

CURSOR email\_cursor IS

SELECT email FROM employee WHERE email IS NOT NULL;

v\_email employee.email%TYPE;

v\_concatenated\_emails VARCHAR2(4000) := '';

BEGIN

OPEN email\_cursor;

LOOP

FETCH email\_cursor INTO v\_email;

EXIT WHEN email\_cursor%NOTFOUND;

v\_concatenated\_emails := v\_concatenated\_emails || v\_email || '; ';

END LOOP;

CLOSE email\_cursor;

INSERT INTO email\_storage (concatenated\_emails) VALUES (v\_concatenated\_emails);

COMMIT;

DBMS\_OUTPUT.PUT\_LINE('Emails concatenated and stored successfully.');

END;

/

3. Consider the employee table and allocate the level for the employees as platinum

for who getting salary above 70000 and gold for who got between 69999 to 50000

and silver for who get below 50000 using cursor.

DECLARE

CURSOR emp\_cursor IS

SELECT employee\_id, salary FROM employee;

v\_emp\_id employee.employee\_id%TYPE;

v\_salary employee.salary%TYPE;

v\_level VARCHAR2(20);

BEGIN

OPEN emp\_cursor;

LOOP

FETCH emp\_cursor INTO v\_emp\_id, v\_salary;

EXIT WHEN emp\_cursor%NOTFOUND;

IF v\_salary > 70000 THEN

v\_level := 'Platinum';

ELSIF v\_salary BETWEEN 50000 AND 69999 THEN

v\_level := 'Gold';

ELSE

v\_level := 'Silver';

END IF;

INSERT INTO employee\_levels (employee\_id, salary, emp\_level)

VALUES (v\_emp\_id, v\_salary, v\_level);

END LOOP;

CLOSE emp\_cursor;

COMMIT;

DBMS\_OUTPUT.PUT\_LINE('Employee levels assigned successfully.');

END;

/

**OUTPUT**

| **EMPLOYEE\_ID** | **FIRST\_NAME** | **LAST\_NAME** | **EMAIL** | **PHONE\_NUMBER** | **HIRE\_DATE** | **SALARY** | **COMMISSION\_PCT** | **MANAGER\_ID** | **DEPARTMENT\_ID** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 101 | selva | kumar | selva@xyz.com | 9350454613 | 05-JAN-1990 | 20000 | 0.20 | 104 | 201 |
| 102 | muthu | Kumar | muthu@xyz.com | 7250548158 | 08-FEB-1991 | 30000 | 0.10 | 104 | 201 |
| 103 | selva | lakshmi | Selva1@xyz.com | 8795488162 | NULL | 40000 | NULL | 104 | 201 |
| 104 | anu | Sree | anu@xyz.com | 8495188645 | 22-MAR-1989 | 60000 | 0.10 | 104 | 201 |
| 105 | bharath | Rajan | bharathi@x | 6548521486 | NULL | 20000 | NULL | 105 | 202 |
| 106 | muthu | Selvi | NULL | 9874525842 | 26-APR-1994 | 80000 | 0.10 | 105 | 202 |
| 107 | devi | Priya | devi@xyz.com | 8547962140 | NULL | 70000 | 0.20 | 105 | 203 |
| 108 | selva | Kumari | NULL | 7589632410 | 31-SEP-1990 | 30000 | 0.10 | 108 | 203 |
| 109 | Tamil | Arasi | tamil@xyz.com | 8546231189 | 29-OCT-1997 | 50000 | 0.50 | 108 | 204 |
| 110 | maha | laxmi | maha@xyz.com | 8745962311 | NULL | 70000 | 0.10 | 108 | 204 |

1. Employee salaries updated successfully by 150%.

2. All employee emails concatenated and stored.

email\_list

------------------------------------------------------------

selva@xyz.com; muthu@xyz.com; selva1@xyz.com; anu@xyz.com;3. Employee levels assigned successfully.

Employee\_ID Salary Emp\_Level

101 30000 Silver

102 45000 Silver

103 60000 Gold

104 90000 Platinum

105 30000 Silver

106 120000 Platinum

107 105000 Platinum

108 45000 Silver

109 75000 Platinum

110 105000 Platinum