1. **Display Employee Name and Job for a Given Employee Number**

DECLARE

name emp.ename%TYPE;

ejob emp.job%TYPE;

BEGIN

SELECT ename, job INTO ename, ejob

FROM emp

WHERE empno = 7369;

DBMS\_OUTPUT.PUT\_LINE('Name: ' || name);

DBMS\_OUTPUT.PUT\_LINE('Job: ' || ejob);

EXCEPTION

WHEN NO\_DATA\_FOUND THEN

DBMS\_OUTPUT.PUT\_LINE('Employee not found.');

END;

1. **Increase Salary by 1000 for a Given Employee**

BEGIN

UPDATE emp

SET sal = sal + 1000

WHERE empno = 7499;

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

COMMIT;

EXCEPTION

WHEN OTHERS THEN

DBMS\_OUTPUT.PUT\_LINE('Error updating salary.');

END;

1. **PL/SQL Block to Delete an Employee**

DECLARE

eno emp.empno%TYPE := 7900;

BEGIN

DELETE FROM emp

WHERE empno = eno;

IF SQL%ROWCOUNT = 0 THEN

DBMS\_OUTPUT.PUT\_LINE('No employee found with empno: ' || eno);

ELSE

DBMS\_OUTPUT.PUT\_LINE('Employee with empno ' || eno || ' deleted successfully.');

COMMIT;

END IF;

1. **PL/SQL Block to Insert a New Employee**

BEGIN

INSERT INTO emp (empno, ename, job, mgr, hiredate, sal, comm, deptno)

VALUES (8000, 'RAJ', 'CLERK', 7566, SYSDATE, 2500, NULL, 20);

DBMS\_OUTPUT.PUT\_LINE('Employee inserted.');

COMMIT;

1. **PL/SQL to Print Commission if Available**

DECLARE

ecom emp.comm%TYPE;

BEGIN

SELECT comm INTO ecom

FROM emp

WHERE empno = 7654;

IF ecom IS NOT NULL THEN

DBMS\_OUTPUT.PUT\_LINE('Commission: ' || ecom);

ELSE

DBMS\_OUTPUT.PUT\_LINE('No commission assigned.');

END IF;

END;

1. **Check if an Employee Exists or Not**

DECLARE

ecount NUMBER;

BEGIN

SELECT COUNT(\*) INTO ecount

FROM emp

WHERE empno = 7521;

IF ecount = 1 THEN

DBMS\_OUTPUT.PUT\_LINE('Employee exists.');

ELSE

DBMS\_OUTPUT.PUT\_LINE('Employee does not exist.');

END IF;

END;

1. **PL/SQL Block to Create a Cursor**

DECLARE

CURSOR emp\_cursor IS

SELECT ename, job FROM emp;

name emp.ename%TYPE;

ejob emp.job%TYPE;

BEGIN

OPEN emp\_cursor;

loop

FETCH emp\_cursor INTO name, ejob;

exit when emp\_cursor%notfound;

DBMS\_OUTPUT.PUT\_LINE('Name: '|| name||'Job: '|| ejob);

end loop;

CLOSE emp\_cursor;

END;

1. **PL/SQL Block to Count Employees in Each Department**

DECLARE

CURSOR dept\_cursor IS

SELECT deptno, COUNT(\*) AS emp\_count FROM emp GROUP BY deptno;

BEGIN

FOR dept\_rec IN dept\_cursor LOOP

DBMS\_OUTPUT.PUT\_LINE('DeptNo: ' || dept\_rec.deptno || ', Employee Count: ' || dept\_rec.emp\_count);

END LOOP;

END;

1. **Function to Get Employee Salary by empno**

CREATE OR REPLACE FUNCTION get\_salary(p\_empno IN emp.empno%TYPE) RETURN emp.sal%TYPE IS

esal emp.sal%TYPE;

BEGIN

SELECT sal INTO esal FROM emp WHERE empno = p\_empno;

RETURN esal;

END;

**Function Usage:**

DECLARE

salary emp.sal%TYPE;

BEGIN

salary := get\_salary(7369);

DBMS\_OUTPUT.PUT\_LINE('Salary: ' || salary);

END;

1. **Procedure to Display Employee Details by Department Number**

CREATE OR REPLACE PROCEDURE get\_emp\_by\_dept(p\_deptno IN emp.deptno%TYPE) IS

BEGIN

FOR emp\_rec IN (SELECT \* FROM emp WHERE deptno = p\_deptno)

LOOP

DBMS\_OUTPUT.PUT\_LINE('EmpNo: ' || emp\_rec.empno || ', Name: ' || emp\_rec.ename || ', Job: ' || emp\_rec.job);

END LOOP;

END;

**Procedure Usage:**

BEGIN

get\_emp\_by\_dept(10);

END;