CREATE TABLE employees (

emp\_id NUMBER,

emp\_name VARCHAR2(50),

job\_name VARCHAR2(50),

manager\_id NUMBER,

hire\_date DATE,

salary NUMBER(10, 2),

commission NUMBER(10, 2),

dep\_id NUMBER

);

INSERT INTO employees (emp\_id, emp\_name, job\_name, manager\_id, hire\_date, salary, commission, dep\_id) VALUES

(68319, 'KAYLING', 'PRESIDENT', NULL, TO\_DATE('1991-11-18', 'YYYY-MM-DD'), 6000.00, NULL, 1001);

INSERT INTO employees (emp\_id, emp\_name, job\_name, manager\_id, hire\_date, salary, commission, dep\_id) VALUES

(66928, 'BLAZE', 'MANAGER', 68319, TO\_DATE('1991-05-01', 'YYYY-MM-DD'), 2750.00, NULL, 3001);

INSERT INTO employees (emp\_id, emp\_name, job\_name, manager\_id, hire\_date, salary, commission, dep\_id) VALUES

(67832, 'CLARE', 'MANAGER', 68319, TO\_DATE('1991-06-09', 'YYYY-MM-DD'), 2550.00, NULL, 1001);

INSERT INTO employees (emp\_id, emp\_name, job\_name, manager\_id, hire\_date, salary, commission, dep\_id) VALUES

(65646, 'JONAS', 'MANAGER', 68319, TO\_DATE('1991-04-02', 'YYYY-MM-DD'), 2957.00, NULL, 2001);

INSERT INTO employees (emp\_id, emp\_name, job\_name, manager\_id, hire\_date, salary, commission, dep\_id) VALUES

(67858, 'SCARLET', 'ANALYST', 65646, TO\_DATE('1997-04-19', 'YYYY-MM-DD'), 3100.00, NULL, 2001);

INSERT INTO employees (emp\_id, emp\_name, job\_name, manager\_id, hire\_date, salary, commission, dep\_id) VALUES

(69062, 'FRANK', 'ANALYST', 65646, TO\_DATE('1991-12-03', 'YYYY-MM-DD'), 3100.00, NULL, 2001);

INSERT INTO employees (emp\_id, emp\_name, job\_name, manager\_id, hire\_date, salary, commission, dep\_id) VALUES

(63679, 'SANDRINE', 'CLERK', 69062, TO\_DATE('1990-12-18', 'YYYY-MM-DD'), 900.00, NULL, 2001);

INSERT INTO employees (emp\_id, emp\_name, job\_name, manager\_id, hire\_date, salary, commission, dep\_id) VALUES

(64989, 'ADELYN', 'SALESMAN', 66928, TO\_DATE('1991-02-20', 'YYYY-MM-DD'), 1700.00, 400.00, 3001);

INSERT INTO employees (emp\_id, emp\_name, job\_name, manager\_id, hire\_date, salary, commission, dep\_id) VALUES

(65271, 'WADE', 'SALESMAN', 66928, TO\_DATE('1991-02-22', 'YYYY-MM-DD'), 1350.00, 600.00, 3001);

INSERT INTO employees (emp\_id, emp\_name, job\_name, manager\_id, hire\_date, salary, commission, dep\_id) VALUES

(66564, 'MADDEN', 'SALESMAN', 66928, TO\_DATE('1991-09-28', 'YYYY-MM-DD'), 1350.00, 1500.00, 3001);

INSERT INTO employees (emp\_id, emp\_name, job\_name, manager\_id, hire\_date, salary, commission, dep\_id) VALUES

(68454, 'TUCKER', 'SALESMAN', 66928, TO\_DATE('1991-09-08', 'YYYY-MM-DD'), 1600.00, 0.00, 3001);

INSERT INTO employees (emp\_id, emp\_name, job\_name, manager\_id, hire\_date, salary, commission, dep\_id) VALUES

(68736, 'ADNESS', 'CLERK', 67858, TO\_DATE('1997-05-23', 'YYYY-MM-DD'), 1200.00, NULL, 2001);

INSERT INTO employees (emp\_id, emp\_name, job\_name, manager\_id, hire\_date, salary, commission, dep\_id) VALUES

(69000, 'JULIUS', 'CLERK', 66928, TO\_DATE('1991-12-03', 'YYYY-MM-DD'), 1050.00, NULL, 3001);

INSERT INTO employees (emp\_id, emp\_name, job\_name, manager\_id, hire\_date, salary, commission, dep\_id) VALUES

(69324, 'MARKER', 'CLERK', 67832, TO\_DATE('1992-01-23', 'YYYY-MM-DD'), 1400.00, NULL, 1001);

select \* from employees;

CREATE OR REPLACE PROCEDURE increase\_salary(

p\_emp\_id IN employees.emp\_id%TYPE,

p\_percentage IN NUMBER

) IS

BEGIN

UPDATE employees

SET salary = salary + (salary \* p\_percentage / 100)

WHERE emp\_id = p\_emp\_id;

END;

/

declare

x employees.emp\_id%TYPE;

y NUMBER;

BEGIN

x:=:x;

y:=:y;

increase\_salary(x,y);

END;

select \* from Employees;

--1

CREATE OR REPLACE PROCEDURE Salery\_increase(

p\_id IN employees.emp\_id%TYPE,

percent IN NUMBER

) AS

curr\_salary employees.salary%TYPE;

new\_sal employees.salary%TYPE;

BEGIN

SELECT salary INTO curr\_salary

FROM employees

WHERE p\_id = emp\_id;

new\_sal:=curr\_salary + (curr\_salary \* (percent / 100));

UPDATE employees

SET salary = new\_sal

WHERE p\_id = emp\_id;

dbms\_output.put\_line('New salery='||new\_sal);

end;

declare

x employees.emp\_id%TYPE;

y number;

BEGIN

x:=:x;

y:=:y;

Salery\_increase(x,y);

END;

--(2)Procedure that takes several parameters (EMP\_ID,EMP\_NAME,JOB\_NAME,MANAGER\_ID,HIRE\_DATE,SALARY,DEP\_ID)) and inserts a new employee record into the employees table.

CREATE OR REPLACE PROCEDURE AddEmployee (

e\_id IN NUMBER,

e\_name IN VARCHAR2,

e\_job IN VARCHAR2,

e\_manager\_id IN NUMBER,

e\_hire\_date IN DATE,

e\_salary IN NUMBER,

e\_dep\_id in NUMBER

) AS

BEGIN

INSERT INTO Employees (EMP\_ID, EMP\_NAME, JOB\_NAME, MANAGER\_ID,HIRE\_DATE, SALARY,DEP\_ID)

VALUES (e\_id, e\_name, e\_job, e\_manager\_id, e\_hire\_date, e\_salary,e\_dep\_id);

DBMS\_OUTPUT.PUT\_LINE('Employe new ID: '||e\_id);

END;

BEGIN

AddEmployee(69999,'Arnav','CLERK',78303,TO\_DATE('2024-12-24','YYYY-MM-DD'),500.00,2024);

END;

--(3)Function that takes an employee ID as input and returns the employee's annual salary (assuming a 12-month period).

CREATE OR REPLACE FUNCTION Annual\_Sal (

e\_id IN NUMBER

) RETURN NUMBER AS

annual\_sal NUMBER(10, 2);

BEGIN

SELECT salary \* 12 INTO annual\_sal

FROM EMPLOYEES

WHERE emp\_id = e\_id;

RETURN annual\_sal;

END;

DECLARE

e\_id NUMBER;

salary NUMBER(10, 2);

BEGIN

e\_id:=:e\_id;

salary:= Annual\_Sal(e\_id);

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

END;

--(4)Function that takes an employee ID as input and returns the full name of the employee (concatenation of first name and last name)

CREATE OR REPLACE FUNCTION Full\_name (e\_id IN NUMBER)

RETURN varchar AS

e\_name varchar(50);

BEGIN

SELECT emp\_name into e\_name

FROM EMPLOYEES

WHERE emp\_id = e\_id;

RETURN e\_name;

END;

DECLARE

e\_id NUMBER;

e\_name varchar(50);

BEGIN

e\_id:=:e\_id;

e\_name:= Full\_name(e\_id);

DBMS\_OUTPUT.PUT\_LINE('Full name is:'||e\_name);

END;

--(5)Function that takes an employee ID as input and returns the number of years the employee has been with the company.

CREATE OR REPLACE FUNCTION get\_years\_with\_company(p\_emp\_id IN VARCHAR2)

RETURN NUMBER IS

v\_hire\_date DATE;

v\_years\_with\_company NUMBER;

BEGIN

-- Fetch the hire date for the given employee ID

SELECT hire\_date INTO v\_hire\_date

FROM employees

WHERE emp\_id = p\_emp\_id;

-- Calculate the number of years with the company

v\_years\_with\_company := TRUNC(MONTHS\_BETWEEN(SYSDATE, v\_hire\_date) / 12);

RETURN v\_years\_with\_company;

END;

/

DECLARE

v\_years NUMBER;

BEGIN

v\_years := get\_years\_with\_company('67832');

DBMS\_OUTPUT.PUT\_LINE('Years with company: ' || v\_years);

END;

/