**2. Stored Procedures:**

**Code:**--savings account table creation

CREATE TABLE savingsacc (

acc\_no NUMBER PRIMARY KEY,

acc\_holder VARCHAR2(100),

balance NUMBER(10,2)

);

INSERT INTO savingsacc VALUES (1, 'Srini', 12000.00);

INSERT INTO savingsacc VALUES (2, 'Rajesh', 8000.00);

INSERT INTO savingsacc VALUES (3, 'John', 50000.00);

INSERT INTO savingsacc VALUES (4, 'Dwayne', 15000.00);

INSERT INTO savingsacc VALUES (5, 'Tuco', 11000.00);

--Scenario1: ProcessMonthlyInterest Procedure Creation

CREATE OR REPLACE PROCEDURE ProcessMonthlyInterest is

BEGIN

UPDATE savingsacc SET balance= balance + balance\*0.01;

END;

/

BEGIN

ProcessMonthlyInterest;

for i in(SELECT \* FROM savingsacc) LOOP

DBMS\_OUTPUT.PUT\_LINE('ACCOUNT NO:' || i.acc\_no || ', Account Holder:' || i.acc\_holder ||', Balance:' || i.balance);

END LOOP;

END;

/

--Employee Table Creation

CREATE TABLE Employee (

Emp\_id NUMBER PRIMARY KEY,

Emp\_name VARCHAR2(100),

salary NUMBER(10,2),

Dept VARCHAR2(20)

);

INSERT INTO Employee VALUES (01, 'Shaun', 30000.00, 'HR' );

INSERT INTO Employee VALUES (02, 'Raj', 4000.00,'DEPOSIT');

INSERT INTO Employee VALUES (03, 'Cena', 44000.00,'DEPOSIT');

INSERT INTO Employee VALUES (04, 'Johnson', 14000.00,'LOAN');

INSERT INTO Employee VALUES (05, 'Gus', 71000.00,'LOAN');

--Scenario2: UpdateEmployeeBonus Procedure Creation

CREATE OR REPLACE PROCEDURE UpdateEmployeeBonus(Bonus in number,

Department in Employee.dept%TYPE) is

BEGIN

UPDATE Employee SET salary=salary+ (salary \* Bonus/100) WHERE Dept=Department;

END;

/

BEGIN

UpdateEmployeeBonus(20.0,'LOAN');

for i in(SELECT \* FROM Employee) LOOP

DBMS\_OUTPUT.PUT\_LINE('Employee Id:' || i.Emp\_id || ', Employee Name:' || i.Emp\_name ||', Salary:' || i.salary);

END LOOP;

END;

/

--Scenario3 :TransferFunds Procedure Creation

CREATE OR REPLACE PROCEDURE TransferFunds(sender in savingsacc.acc\_no%TYPE,

receiver in savingsacc.acc\_no%TYPE,

amount in savingsacc.balance%TYPE) IS

sender\_balance savingsacc.balance%TYPE;

BEGIN

SELECT balance INTO sender\_balance FROM savingsacc WHERE acc\_no=sender;

IF amount<=sender\_balance THEN

UPDATE savingsacc

SET balance=balance - amount WHERE acc\_no=sender;

UPDATE savingsacc

SET balance=balance + amount WHERE acc\_no=receiver;

DBMS\_OUTPUT.PUT\_LINE('THE FUND AMOUNT '|| amount || ' IS SUCCESSFULLY TRANFFERED FROM '||

sender|| ' TO '|| receiver);

ELSE

DBMS\_OUTPUT.PUT\_LINE('INSUFFICIENT BALANCE!!! CANNOT TRANSFER FUND ');

END IF;

END;

/

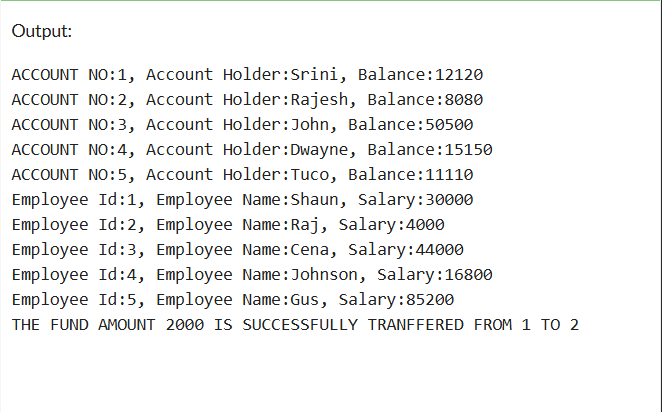
BEGIN

TransferFunds(1,2,2000);

END;

/

**Output:**

****