**STORED PROCEDURES**

**SCENARIO 1:**

CREATE OR REPLACE PROCEDURE ProcessMonthlyInterest

IS

BEGIN

UPDATE accounts

SET balance=balance\*1.01

WHERE accounttype='Savings';

END;

/

EXEC ProcessMonthlyInterest;

**OUTPUT:(ACCOUNTS)**

|  |  |
| --- | --- |
| BEFORE | AFTER |
|  |  |

**SCENARIO 2:**

CREATE OR REPLACE PROCEDURE UpdateEmployeeBonus(bonus\_percent IN NUMBER, dept IN VARCHAR2)

IS

BEGIN

UPDATE employees

SET salary=salary + salary\*bonus\_percent/100

WHERE department=dept;

END;

/

EXEC UpdateEmployeeBonus(5, 'HR');

**OUTPUT:(EMPLOYEES)**

|  |  |
| --- | --- |
| BEFORE | AFTER |
|  |  |

**SCENARIO 3:**

CREATE OR REPLACE PROCEDURE TransferFunds(amount IN NUMBER, src\_acc IN NUMBER, dest\_acc IN NUMBER)

IS

fund NUMBER;

insufficient\_funds EXCEPTION;

BEGIN

SELECT balance INTO fund FROM accounts WHERE accountid=src\_acc;

IF fund < amount THEN

RAISE insufficient\_funds;

ELSE

UPDATE accounts

SET balance=balance-amount

WHERE accountid=src\_acc;

UPDATE accounts

SET balance=balance+amount

WHERE accountid=dest\_acc;

END IF;

EXCEPTION

WHEN insufficient\_funds THEN

RAISE\_APPLICATION\_ERROR(-20001, 'insufficient funds');

END;

/

EXEC TransferFunds(200, 1, 2);

**OUTPUT:(ACCOUNTS)**

|  |  |
| --- | --- |
| BEFORE | AFTER |
|  |  |