**Exercise 1: Control Structures**

**Scenario 2:**

**Code:** (Respected Sir/Mam, I have added comment lines for readability)

***-- Creation of Customers Table***

CREATE TABLE Customers (

CustomerID NUMBER PRIMARY KEY,

Name VARCHAR2(100),

DOB DATE,

Balance NUMBER,

LastModified DATE

);

***-- Adding the IsVIP column***

ALTER TABLE Customers ADD IsVIP VARCHAR2(5);

***-- Inserting Values into Customers table and by default IsVIP is taken as FALSE***

BEGIN

INSERT INTO Customers VALUES (1, 'Alice Reddy', TO\_DATE('1985-05-10', 'YYYY-MM-DD'), 2000, SYSDATE, 'FALSE');

INSERT INTO Customers VALUES (2, 'Bob Singh', TO\_DATE('1990-08-21', 'YYYY-MM-DD'), 13500, SYSDATE, 'FALSE');

INSERT INTO Customers VALUES (3, 'Carol Mehta', TO\_DATE('1975-01-15', 'YYYY-MM-DD'), 10500, SYSDATE, 'FALSE');

INSERT INTO Customers VALUES (4, 'David Rao', TO\_DATE('1988-12-01', 'YYYY-MM-DD'), 8000, SYSDATE, 'FALSE');

INSERT INTO Customers VALUES (5, 'Esha Iyer', TO\_DATE('1965-03-25', 'YYYY-MM-DD'), 12000, SYSDATE, 'FALSE');

END;

/

***-- Updating the IsVIP status as TRUE for customer with balance above 10000***

BEGIN

FOR cust\_rec IN(SELECT CustomerID,Balance FROM Customers) LOOP

IF cust\_rec.Balance>10000 THEN

UPDATE Customers

SET IsVIP='TRUE'

WHERE CustomerID=cust\_rec.CustomerID;

END IF;

END LOOP;

END;

/

***-- Displaying the rows with the IsVIP status***

BEGIN

DBMS\_OUTPUT.PUT\_LINE('After Iterating and Updating the VIP status: '|| CHR(10));

FOR cust\_rec IN(SELECT CustomerID,Balance,IsVIP FROM Customers) LOOP

DBMS\_OUTPUT.PUT\_LINE('Customer ID: ' || cust\_rec.CustomerID ||' , Balance: $' || cust\_rec.Balance ||' , VIP Status: ' || cust\_rec.IsVIP );

END LOOP;

END;

/

**OUTPUT:**

A screenshot of a computer

AI-generated content may be incorrect.