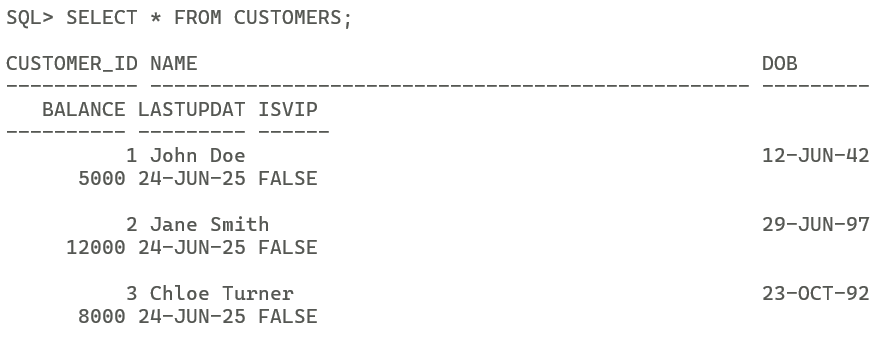
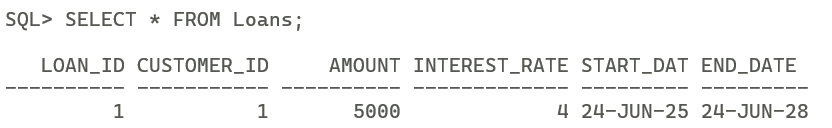
**Scenario1:**

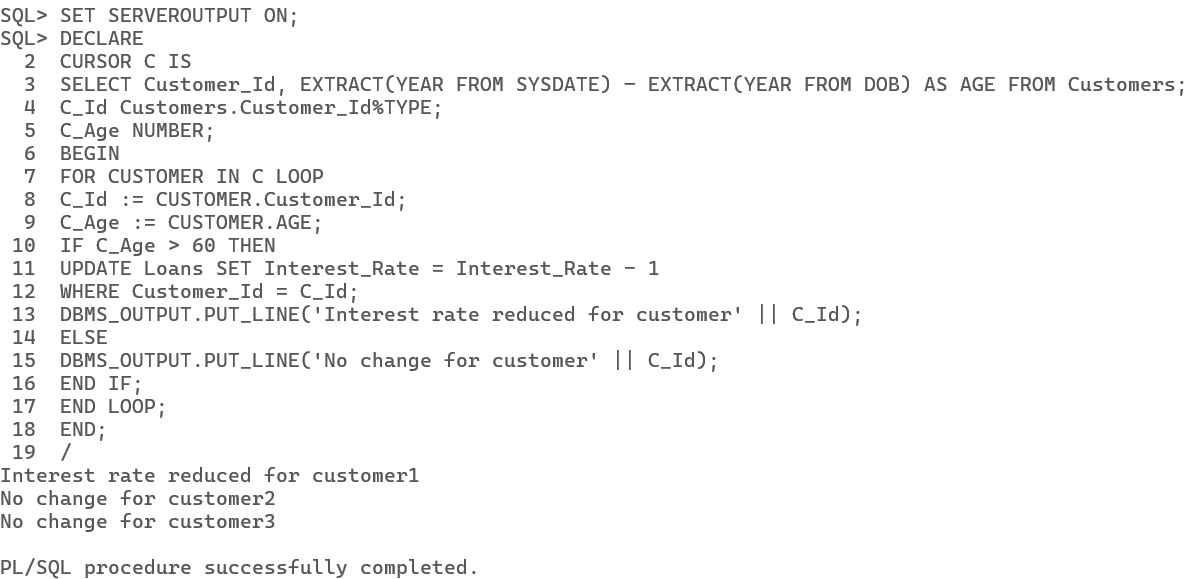
SELECT \* FROM Customers;



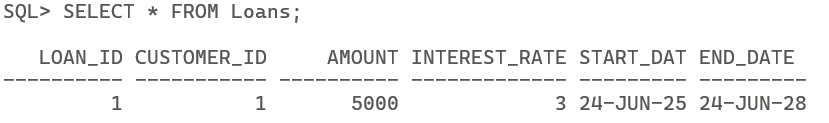
SELECT \* FROM Loans;



SET SERVEROUTPUT ON;  
DECLARE  
CURSOR C IS  
SELECT Customer\_Id, EXTRACT(YEAR FROM SYSDATE) – EXTRACT(YEAR FROM DOB) AS AGE FROM Customers;  
C\_Id Customers.Customer\_Id%TYPE;  
C\_Age NUMBER;  
BEGIN  
FOR CUSTOMER IN C LOOP  
C\_Id := CUSTOMER.Customer\_Id;  
C\_Age := CUSTOMER.AGE;  
IF C\_Age > 60 THEN  
UPDATE Loans SET Interest\_Rate = Interest\_Rate - 1  
WHERE Customer\_Id = C\_Id;  
DBMS\_OUTPUT.PUT\_LINE(‘Interest rate reduced for customer ‘ || C\_Id);  
ELSE  
DBMS\_OUTPUT.PUT\_LINE(‘No change for customer’ || C\_Id);  
END IF;  
END LOOP;  
END;  
/

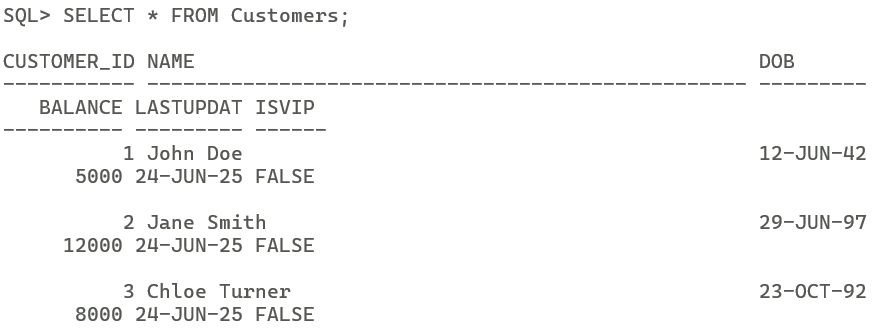


SELECT \* FROM Loans;

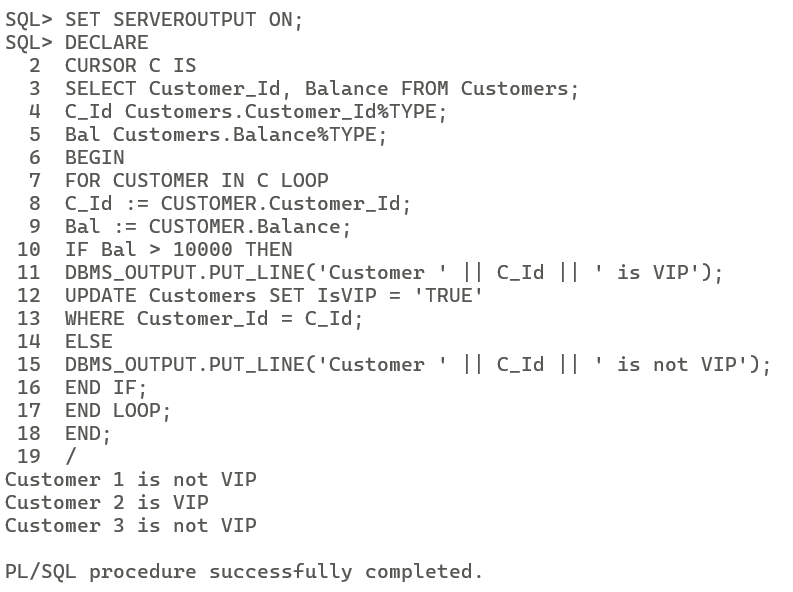


**Scenario2:**

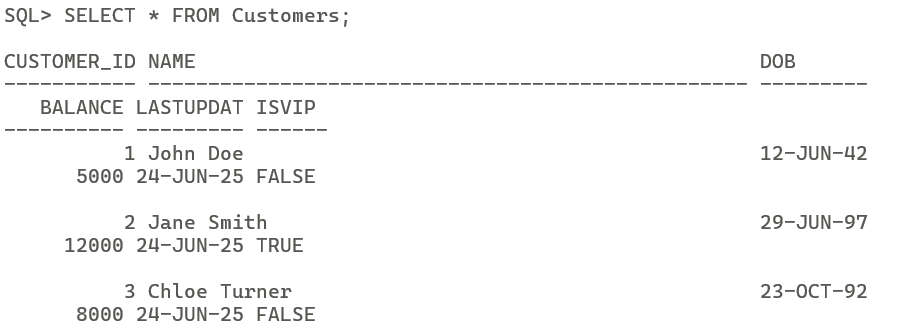
SELECT \* FROM Customers;



SET SERVEROUTPUT ON;  
DECLARE  
CURSOR C IS  
SELECT Customer\_Id, Balance FROM Customers;  
C\_Id Customers.Customer\_Id%TYPE;  
Bal Customers.Balance%TYPE;  
BEGIN  
FOR CUSTOMER IN C LOOP  
C\_Id := CUSTOMER.Customer\_Id;  
Bal := CUSTOMER.Balance;  
IF Bal > 10000 THEN  
DBMS\_OUTPUT.PUT\_LINE(‘Customer ‘ || C\_Id || ‘ is VIP’);  
UPDATE Customers SET IsVIP = ‘TRUE’  
WHERE Customer\_Id = C\_Id;  
ELSE  
DBMS\_OUTPUT.PUT\_LINE(‘Customer ’ || C\_Id || ‘ is not VIP’);  
END IF;  
END LOOP;  
END;  
/

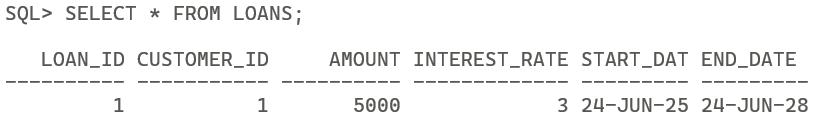


SELECT \* FROM Customers;



**Scenario3:**

SELECT \* FROM Loans;



SET SERVEROUTPUT ON;  
DECLARE  
CURSOR C IS  
SELECT Loan\_Id, Customer\_Id, End\_Date FROM Loans  
WHERE End\_Date BETWEEN SYSDATE AND SYSDATE+30;  
L\_Id Loans.Loan\_Id%TYPE;  
C\_Id Loans.Customer\_Id%TYPE;  
ED Loans.End\_Date%TYPE;  
FLAG BOOLEAN := FALSE;  
BEGIN  
OPEN C;  
LOOP  
FETCH C INTO L\_Id, C\_Id, ED;  
EXIT WHEN C%NOTFOUND;  
FLAG := TRUE;  
DBMS\_OUTPUT.PUT\_LINE(‘REMINDER: Loan ‘ || L\_Id || ‘ for customer ‘ || C\_Id || ‘ is due on ‘ || TO\_CHAR(ED,’YYYY-MM-DD’));  
END LOOP;  
CLOSE C;  
IF NOT FLAG THEN  
DBMS\_OUTPUT.PUT\_LINE(‘No loans are due within the next 30 days’);  
END IF;  
END;  
/

