**Scenario 1**

CODE

/\*

UPDATE Loans

SET InterestRate = InterestRate \* 0.99

WHERE CustomerID IN (

SELECT CustomerID

FROM Customers

WHERE MONTHS\_BETWEEN(SYSDATE, DOB) / 12 > 30

);

--Task completed in 0.016 seconds

\*/

/\*

MERGE INTO Loans l

USING (

SELECT CustomerID

FROM Customers

WHERE MONTHS\_BETWEEN(SYSDATE, DOB) / 12 > 30

)

ON (l.CustomerID = c.CustomerID)

WHEN MATCHED THEN

UPDATE SET l.InterestRate = l.InterestRate \* 0.99;

--Time taken - 0.037 seconds

\*/

DECLARE

BEGIN

FOR customer\_record IN (

SELECT \* FROM customers WHERE calc\_age(dob) >= 30

) LOOP

UPDATE loans

SET interestrate = interestrate \* 0.99

WHERE customerid = customer\_record.customerid;

END LOOP;

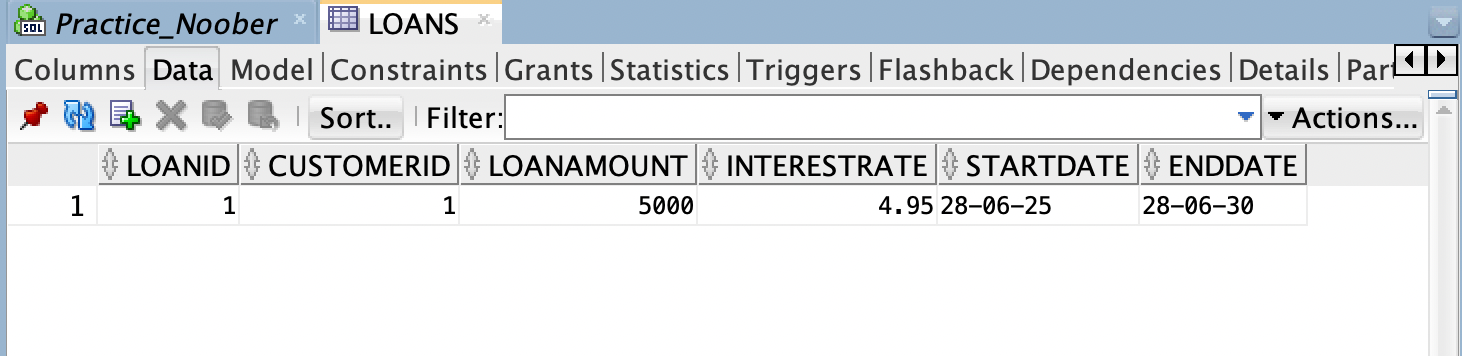
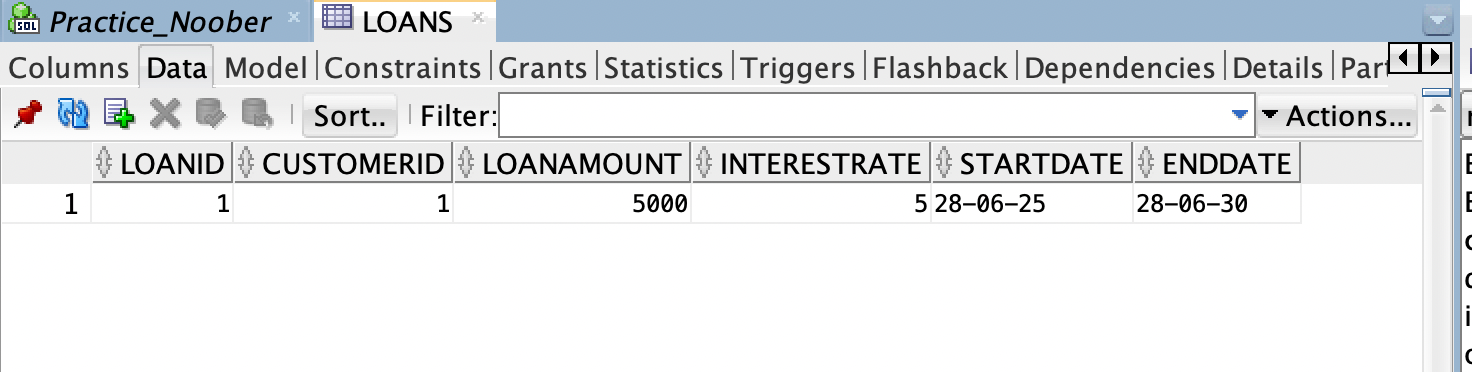
COMMIT;

--Time taken - 0.065 seconds

END;

/

OUTPUT



**Scenario 2**

**CODE:**

ALTER TABLE customers

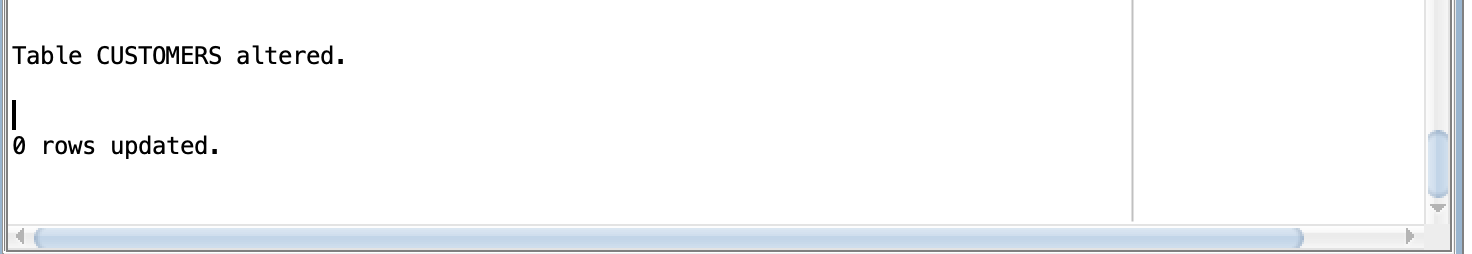
ADD isvip VARCHAR2(5) DEFAULT 'No';

UPDATE customers

SET isvip = 'TRUE'

WHERE balance >= 60000;

**OUTPUT:**



**Scenario 3**

**CODE:**

BEGIN

FOR jr IN (

SELECT c.customerid, c.name, l.loanid, l.enddate

FROM customers c

JOIN loans l

ON l.customerid = c.customerid

WHERE enddate - sysdate <= 30

) LOOP

DBMS\_OUTPUT.PUT\_LINE('Hi ' || jr.name || ' bearing customer\_id ' || jr.customerid);

DBMS\_OUTPUT.PUT\_LINE('It is to inform that,');

DBMS\_OUTPUT.PUT\_LINE('Your loan ' || jr.loanid || '''s end date is ' || jr.enddate);

END LOOP;

END;

/

**OUTPUT:**

