

Control structures

Outputs:

Scenario 1:

The screenshot displays the APEX SQL Workshop interface. The top navigation bar includes 'APEX', 'App Builder', 'SQL Workshop', 'Team Development', and 'Gallery'. The user is logged in as 'Vijayashalini J' with the schema 'WKSP_STRUCTUREDQUER'. The 'SQL Commands' tab is active, showing a PL/SQL script with line numbers 11 through 20. The script includes a WHERE clause, a comment, a DBMS_OUTPUT.PUT_LINE statement, and control flow statements like END LOOP, COMMIT, and END. The 'Run' button is highlighted in green. Below the script editor, the 'Results' tab is selected, showing the output of the script: 'Updated the loan interest for : Shalini', 'Updated the loan interest for : Alice', '1 row(s) updated.', and '0.01 seconds'.

```
11 WHERE LoanID = rec.LoanID;
12
13 -- Output message with correct variable
14 DBMS_OUTPUT.PUT_LINE('Updated the loan interest for : ' || rec.Name);
15 END LOOP;
16
17 COMMIT;
18 END;
19 /
20
```

Results Explain Describe Saved SQL History

Updated the loan interest for : Shalini
Updated the loan interest for : Alice

1 row(s) updated.

0.01 seconds

Scenario 2:

← → ↺

apex.oracle.com/pls/apex/r/apex/sql-workshop/sqlcommandprocessor?session=4395184222830

☆

Error

APEX

App Builder

SQL Workshop

Team Development

Gallery

Search

VJ Vijayashalini J

structured_query_1...

↑ SQL Commands

Schema WKSP_STRUCTUREDQUER

Language SQL

Rows 10

Clear Command

Find Tables

Save

Run

↺ ↻ 🔍 ↵ A=

1 select * from customers;

Results

Explain

Describe

Saved SQL

History

CUSTOMERID	NAME	AGE	BALANCE	ISVIP
3	Shalini	70	20000	TRUE
2	Bob	58	8000	FALSE
1	Alice	65	12000	TRUE

7 rows returned in 0.00 seconds

Download

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structured_query_lang

en

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SCENARIO 3:

← → ↺

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Error

APEX

App Builder

SQL Workshop

Team Development

Gallery

Search

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↺ ↻ 🔍 ↵ A=

1 BEGIN

2 FOR rec IN (

3 SELECT l.LoanID, l.DueDate, c.Name

4 FROM Loans l

5 JOIN Customers c ON l.CustomerID = c.CustomerID

6 WHERE l.DueDate BETWEEN SYSDATE AND SYSDATE + 30

7)

8 LOOP

9 DBMS_OUTPUT.PUT_LINE('Reminder: Loan ' || rec.LoanID || ' for ' || rec.Name ||

10 ' is due on ' || TO_CHAR(rec.DueDate, 'DD-MON-YYYY')));

11 END LOOP;

Results

Explain

Describe

Saved SQL

History

Reminder: Loan 103 for Shalini is due on 07-JUL-2025

Reminder: Loan 101 for Alice is due on 17-JUL-2025

Statement processed.

0.02 seconds

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