🔶 STEP 4: Procedure with Cursor: ShowApplications

CREATE OR REPLACE PROCEDURE ShowApplications IS

CURSOR app_cursor IS

SELECT a.application_id, s.name, a.status, a.approved_amount

FROM Application a

JOIN Student s ON a.student_id = s.student_id;

BEGIN

FOR rec IN app_cursor LOOP

DBMS_OUTPUT.PUT_LINE('AppID: ' || rec.application_id ||

' | Student: ' || rec.name ||

' | Status: ' || rec.status ||

' | Approved: ' || rec.approved_amount);

END LOOP;

EXCEPTION

WHEN OTHERS THEN

DBMS_OUTPUT.PUT_LINE('Error displaying applications.');

END;

🧠 What It Does:

- Loops through all applications, joining with student names

- Prints application info using DBMS_OUTPUT.PUT_LINE

- Catches any errors and prints a message

✅ Why It Matters:

This kind of output is useful for **quick debugging** or **report previews** without needing an external GUI.

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Worksheet   Query Builder

```
  BEGIN
    FOR rec IN app_cursor LOOP
      DBMS_OUTPUT.PUT_LINE('Application ID: ' || rec.application_id ||
                          ' | Student: ' || rec.student_name ||
                          ' | Status: ' || rec.status ||
                          ' | Approved Amount: ' || NVL(rec.approved_amount, 0));
    END LOOP;
  EXCEPTION
    WHEN OTHERS THEN
      DBMS_OUTPUT.PUT_LINE('Error in ShowApplications procedure: ' || SQLERRM);
  END;
  /
```

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🗐 Script Output ×

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1 row updated.


1 row inserted.


Function GETTOTALAID compiled


Procedure SHOWAPPLICATIONS compiled
```