

HOW TO TEST EACH OBJECT

Enable output:

SET SERVEROUTPUT ON;

Test the Function:

BEGIN

ShowApplications;

END;

/

Test the Package:

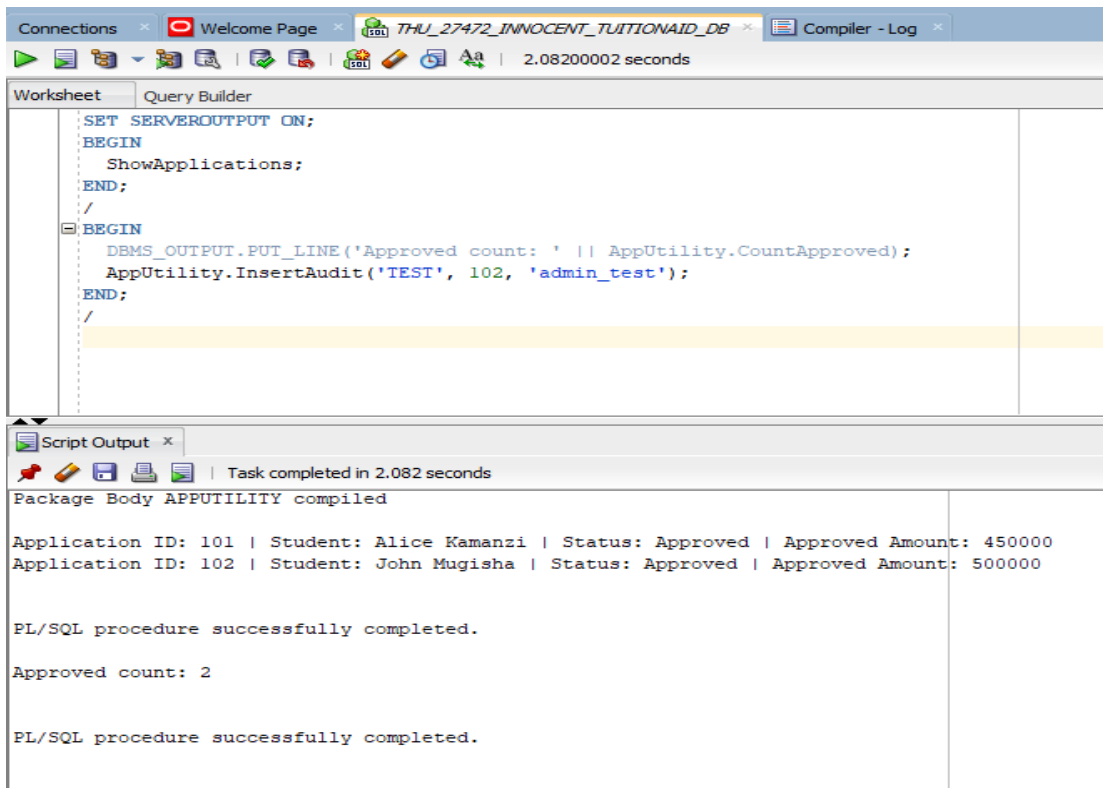
BEGIN

DBMS_OUTPUT.PUT_LINE('Approved count: ' || AppUtility.CountApproved);

AppUtility.InsertAudit('TEST', 102, 'admin_test');

END;

/



The screenshot displays the Oracle SQL Developer environment. The top toolbar includes icons for running and testing. The main window is titled 'THU_27472_INNOCENT_TUITIONAID_DB' and shows a PL/SQL script in the 'Query Builder' tab. The script contains the following code:

```
SET SERVEROUTPUT ON;
BEGIN
    ShowApplications;
END;
/
BEGIN
    DBMS_OUTPUT.PUT_LINE('Approved count: ' || AppUtility.CountApproved);
    AppUtility.InsertAudit('TEST', 102, 'admin_test');
END;
/
```

Below the script, the 'Script Output' window shows the results of the execution. It indicates that the package 'APPUTILITY' was compiled successfully. The output also shows the results of the 'ShowApplications' procedure, listing two applications:

Application ID	Student	Status	Approved Amount
101	Alice Kamanzi	Approved	450000
102	John Mugisha	Approved	500000

The output concludes with the message 'PL/SQL procedure successfully completed.' and 'Approved count: 2'.

Final Notes

This phase demonstrates your database:

- *Is **interactive***
- *Has **auditing***
- *Handles **errors gracefully***
- *Supports **modular programming***