

## ◆ STEP 2: Performing DML Operations (Update + Insert)

UPDATE Application

SET status = 'Approved', approved\_amount = 450000

WHERE application\_id = 101;

INSERT INTO Application\_Log (action\_performed, application\_id, performed\_by)

VALUES ('UPDATE', 101, 'admin\_user');



### What It Does:

- Updates one student's application to **Approved**
- Then logs this action in Application\_Log for record-keeping



### Why It Matters:

Combines **business operation** with **auditing**, to trace what changes were made and by whom. Essential in MIS systems.

```
CREATE TABLE Application_Log (  
    log_id          NUMBER GENERATED ALWAYS AS IDENTITY PRIMARY KEY,  
    action_performed VARCHAR2(50),  
    application_id   NUMBER,  
    performed_by     VARCHAR2(100),  
    action_time      TIMESTAMP DEFAULT CURRENT_TIMESTAMP  
);  
  
UPDATE Application  
SET status = 'Approved', approved_amount = 450000  
WHERE application_id = 101;  
  
INSERT INTO Application_Log (action_performed, application_id, performed_by)  
VALUES ('UPDATE', 101, 'admin_user');
```

Script Output x

Task completed in 0.493 seconds

PL/SQL procedure successfully completed.

Table APPLICATION\_LOG created.

1 row updated.

1 row inserted.

Here it is running smoothly, as it can be seen from the above diagram.