

Assignment 8

→ Problem Statement :

- Write Trigger & execute it on a table.
- Write a simple PL/SQL program to ~~print~~ perform different operation on the table.

→ Theory :

i. TRIGGER on UPDATE DISPLAY ERROR MSG :

```
CREATE TRIGGER acc_bal  
BEFORE UPDATE ON ACCOUNT  
FOR EACH ROW  
BEGIN
```

```
    IF (NEW.bal < 0) then  
        SIGNAL SQL STATE '8000' ;  
        SET MESSAGE = 'ERROR' ;  
    END IF ;
```

```
END
```

ii. Create trigger on update which will create a log file :

```
CREATE TRIGGER acc_bal_log_file  
AFTER UPDATE ON account  
FOR EACH ROW
```

BEGIN

```
INSERT into transaction_log (user_id, desc)
values ( user_id, "concat(adjust, acc,
new.debiting from ", old_bal, " to ",
new_bal );
```

END

→ Conclusion :

Topics Covered :

1. Concept of Triggers .
 2. Types of Triggers .
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