

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 accbal
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 deducted~~, " from ", old·bal, " to ",
new·bal));

END

→ Conclusion :

Topics Covered :

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