Akshay S. Chavan TEB-15

**ASSIGNMENT NO-08**

Create a Library database with the following schema

Books(AccNo,Title,Author,Publisher,Count).

1. Create a table Library\_Audit with same fiels as of Books.
2. Create a before trigger to insert records into Librry\_Audit table if there is deletion in Books table.
3. Create a after trigger to insert records into Librry\_Audit table if there is updation in Books table.

CREATE OR REPLACE function library() returns trigger as

$Library\_Audit$

BEGIN

IF (TG\_OP='DELETE') THEN

insert into Library\_Audit values OLD.AccNo,OLD.Title,OLD.Author,OLD.Publisher,OLD.Count;

RETURN OLD;

END IF;

END

$Library\_Audit$

language plpgsql;

CREATE TRIGGER Library\_Audit

AFTER DELETE ON Books

FOR EACH ROW EXECUTE PROCEDURE

library();

**OUTPUT:**

ass8=# DELETE from Books where Author='Herbert Shieldt';

DELETE 1

ass8=# select \* from Library\_Audit;

accno | title | author | publisher | count

-------+-------+-----------------+-------------+-------

123 | Java | Herbert Shieldt | McGraw Hill | 5

(1 row)

ass8=# select \* from Books;

accno | title | author | publisher | count

-------+-------+--------+-----------+-------

(0 rows)