

DBMS Practical-

DBMS Practical-Trigger

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Roll N0-13171

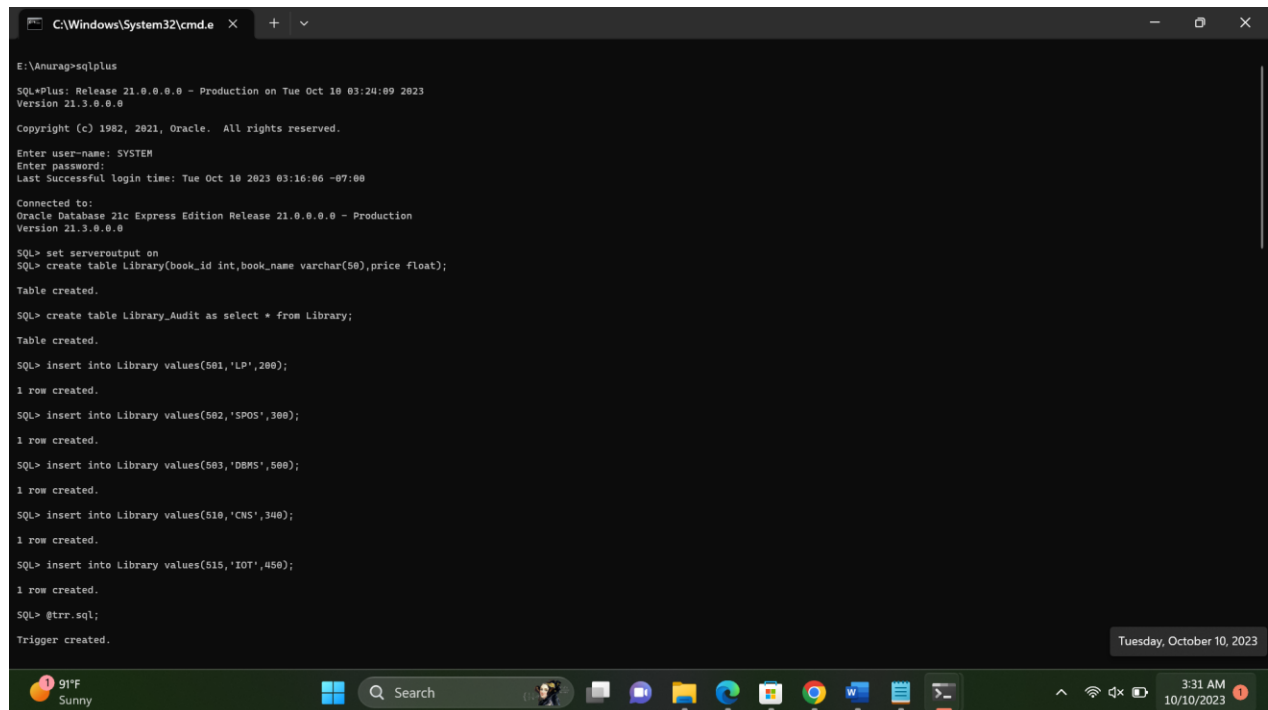
Div-A

Program:-

create or replace trigger trg_library_adt
after update or delete on Library for each row

```
declare
diff_price float;
begin
if updating then
insert into Library_Audit values (:old.book_id,:old.book_name,:old.price);
diff_price:=:new.price-:old.price;
dbms_output.put_line('Difference between price:'||diff_price);
elsif deleting then
insert into Library_Audit values (:old.book_id,:old.book_name,:old.price);
end if;
end;
/
```

Output:-



```
C:\Windows\System32\cmd.exe
E:\Anurag>sqlplus

SQL*Plus: Release 21.0.0.0.0 - Production on Tue Oct 10 03:24:09 2023
Version 21.3.0.0.0

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Enter user-name: SYSTEM
Enter password:
Last Successful login time: Tue Oct 10 2023 03:16:06 -07:00

Connected to:
Oracle Database 21c Express Edition Release 21.0.0.0.0 - Production
Version 21.3.0.0.0

SQL> set serveroutput on
SQL> create table Library(book_id int,book_name varchar(50),price float);
Table created.

SQL> create table Library_Audit as select * from Library;
Table created.

SQL> insert into Library values(501,'LP',200);
1 row created.

SQL> insert into Library values(502,'SPOS',300);
1 row created.

SQL> insert into Library values(503,'DBMS',500);
1 row created.

SQL> insert into Library values(510,'CNS',340);
1 row created.

SQL> insert into Library values(515,'IOT',450);
1 row created.

SQL> @trr.sql;
Trigger created.
```

```
C:\Windows\System32\cmd.e x + v
SP2-0734: unknown command beginning "SQL> selec..." - rest of line ignored.
SP2-0044: For a list of known commands enter HELP
and to leave enter EXIT.
SP2-0734: unknown command beginning "BOOK_ID 80..." - rest of line ignored.
SP2-0042: unknown command "SQL>" - rest of line ignored.
SQL> select * from library;

  BOOK_ID BOOK_NAME      PRICE
-----
      501 LP              200
      502 SPOS            300
      503 DBMS            500
      510 CNS             340
      515 IOT             450

SQL> UPDATE library SET price=300 where book_id=503;
Difference between price:-200

1 row updated.

SQL> delete from library where book_id=510;

1 row deleted.

SQL> select * from library_audit;

  BOOK_ID BOOK_NAME      PRICE
-----
      503 DBMS            500
      510 CNS             340

SQL>
```

91°F
Sunny



Search



3:31 AM
10/10/2023

