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Roll no. :- 13373

PRACTICAL NO. 8

Microsoft Windows [Version 10.0.19045.3570]

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C:\Users\Yash Dhumal\Desktop\dbms lab>sqlplus

SQL*Plus: Release 21.0.0.0.0 - Production on Fri Oct 27 20:46:56 2023

Version 21.3.0.0.0

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Enter user-name: system

Enter password:

Last Successful login time: Fri Oct 27 2023 20:03:40 +05:30

Connected to:

Oracle Database 21c Express Edition Release 21.0.0.0.0 - Production

Version 21.3.0.0.0

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(101,'DBMS',500)

1 row created.

SQL> insert into Library values(102,'TOC',400);

1 row created.

SQL> insert into Library values(103,'IOT',350);

1 row created.

```

SQL> create or replace trigger trg_library_adt
2  after update or delete on Library for each row
3  declare
4  diff_price float;
5  begin
6  if updating then
7  insert into Library_Audit values (:old.book_id,:old.book_name,:old.price);
8  diff_price:=:new.price-:old.price;
9  dbms_output.put_line('Difference between price:'||diff_price);
10 elsif deleting then
11 insert into Library_Audit values (:old.book_id,:old.book_name,:old.price);
12 end if;
13 end;
14 /

```

Trigger created.

```
SQL> select * from library_audit;
```

no rows selected

```
SQL> update library set price=300 where book_id=103;
```

1 row updated.

```
SQL> select * from library_audit;
```

BOOK_ID	BOOK_NAME	PRICE
103	IOT	350

```
SQL> delete from library where book_id=103;
```

1 row deleted.

```
SQL> select * from library_audit;
```

BOOK_ID	BOOK_NAME	PRICE
103	IOT	350
103	IOT	300