**Advance Database Management System Lab**

**Experiment- 12**

**To understand the concepts of Trigger.**

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**Batch- 2**

CREATE TABLE CUSTOMER(ID INTEGER PRIMARY KEY,NAME VARCHAR(20), AGE INTEGER, ADDRESS VARCHAR(30), SALARY DECIMAL(20,0));

INSERT INTO CUSTOMER VALUES(1, 'Ramesh', 32, 'Ahmedabad', 2000.00);

INSERT INTO CUSTOMER VALUES(2, 'Khilan', 25, 'Delhi',1500.00);

INSERT INTO CUSTOMER VALUES(3, 'Kaushik', 23, 'Kota', 2000.00);

INSERT INTO CUSTOMER VALUES(4, 'Chaitali', 25, 'Mumbai',6500.00);

INSERT INTO CUSTOMER VALUES(5, 'Hardik', 27, 'Bhopal',8500.00);

INSERT INTO CUSTOMER VALUES(6, 'Komal', 22, 'MP',4500.00);

CREATE TABLE CUSTOMER\_AUDIT(ID INTEGER, NAME VARCHAR(20), AGE INTEGER, ADDRESS VARCHAR(30), SALARY DECIMAL(20,0), Audit\_Action varchar(100), Audit\_Timestamp datetime );

CREATE TRIGGER After\_Insert ON [dbo].[CUSTOMER] FOR INSERT AS declare @EMPID INTEGER; declare @EMPNAME VARCHAR(20); declare @EMPAGE INTEGER; declare @EMPADDRESS VARCHAR(30); declare @EMPSALARY DECIMAL(20,0); declare @audit\_Action varchar(100);

select @EMPID=i.ID from inserted i;

select @EMPNAME=i.NAME from inserted i;

select @EMPAGE=i.AGE from inserted i;

select @EMPADDRESS=i.ADDRESS from inserted i;

select @EMPSALARY=i.SALARY from inserted i;

set @audit\_action='Inserted Record -- After Insert Trigger.';

insert into CUSTOMER\_AUDIT (ID,NAME,AGE,ADDRESS,SALARY, Audit\_Action,Audit\_Timestamp) values(@EMPID,@EMPNAME,@EMPAGE,@EMPADDRESS, @EMPSALARY,@audit\_action,getdate());

PRINT 'AFTER INSERT trigger fired.'

INSERT INTO CUSTOMER VALUES(105,'Chetan', 25, 'jaipur',6500.00);

SELECT \* FROM CUSTOMER\_AUDIT;

CREATE TRIGGER After\_Delete ON [dbo].[Employee] AFTER DELETE AS declare @EMPID INTEGER; declare @EMPNAME VARCHAR(20); declare @EMPAGE INTEGER; declare @EMPADDRESS VARCHAR(30); declare @EMPSALARY DECIMAL(20,0); declare @audit\_Action varchar(100);

select @EMPID=i.ID from deleted d;

select @EMPNAME=i.NAME from deleted d;

select @EMPAGE=i.AGE from deleted d;

select @EMPADDRESS=i.ADDRESS from deleted d;

select @EMPSALARY=i.SALARY from deleted d;

set @audit\_action='deleted Record -- After delete Trigger.';

insert into CUSTOMER\_AUDIT (ID,NAME,AGE,ADDRESS,SALARY, Audit\_Action,Audit\_Timestamp) values(@EMPID,@EMPNAME,@EMPAGE,@EMPADDRESS, @EMPSALARY,@audit\_action,getdate());

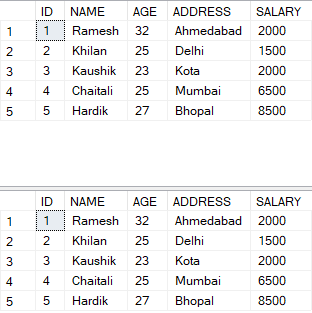
PRINT 'AFTER DELETE trigger fired.'

DELETE FROM CUSTOMER WHERE ID=6

select \* from CUSTOMER

select \* from CUSTOMER

Output:

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