Practical 9

A] Perform DDL triggers

Create database Samiksha31

Create table customer(

cid varchar(20),

cname varchar(20),

caddress varchar(40),

)

Drop table customer

Create table customer(

cid int primary key,

cname varchar(20),

caddress varchar(40),

)

insert into customer values(1,'Sam','Mumbai')

insert into customer values(2,'Jake','Sydney')

insert into customer values(3,'Allen','London')

Perform a trigger that display create table operation of DDl command

Create trigger t1

on database

for create\_table as

Begin

print 'New table is created'

End

Create table student(

sid int primary key,

sname varchar(20),

saddress varchar(40),

)

insert into student values(1,'Sara','Mumbai')

insert into student values(2,'Joshua','Sydney')

insert into student values(3,'Louis','London')

Alter the trigger

Alter trigger t1

on database

for alter\_table, drop\_table as

Begin

print 'Table altered'

End

alter table student

Add contactno numeric

Drop the table using trigger

Drop table student

Perform a trigger that blocks the user from modifying or dropping the table from the database

Create trigger t2

on database

for alter\_table, drop\_table as

Begin

print 'Permission Denied'

rollback

End

Create table student(

sid int primary key,

sname varchar(20),

saddress varchar(40),

)

Drop table student

select \* from student

To disable and enable trigger

disable trigger t2

on database

enable trigger t2

on database

To perform Rename operation

Create trigger t3

on database

for rename as

Begin

print 'table renamed'

End

sp\_rename 'student' ,'person'

select \* from person

perform server level trigger that blocks user from create, alter and dropping the database

Create trigger t4

on all server

for ddl\_database\_events as

print 'Activity blocked'

rollback

go

Use master

go

Create database db

Drop a trigger

Drop trigger t1

on database

Drop trigger t4

on all server

B] Perform DML triggers

Create a trigger to perfrom DML operations on customer table

Create trigger t5

on customer

for insert , update, delete as

Begin

print 'Permission granted'

End

insert into customer values(5,'sam','mumbai')

update customer

set cname='sara'

where cname='sam'

delete

from customer

where cname='sara'

Perform the trigger on customer table that block the user to perform dml operation

Create trigger t6

on customer

for insert , update, delete as

Begin

print 'Permission denied'

rollback

End

Perform a trigger to check inserted and deleted record on customer table

Create trigger t8

on student

for insert, update ,delete as

Begin

print 'Inserted'

Select \* from inserted

print 'Deleted'

Select \* from deleted

End

insert into student values(12,'Sara','Pune')

update student

set sname='Ms.'+sname

where sid=12

delete

from student

where sid=12

C] Use of instead of trigger

Create table product(

pno int primary key,

pname varchar(20),

qty varchar(10),

)

Create trigger t9

on product

instead of delete as

print 'Sorry you cant delete the data'

insert product1

select 'Cannot'

Union

select 'Delete'

union

select 'Me'

Create table product1(

pname varchar(20),

)

select \* from product1

update product1

set pname='Sara'

where pname='Cannot'

update product1

set pname='Swara'

where pname='Delete'

update product1

set pname='Sherlyn'

where pname='Me'