

A) Perform DDL Trigger

- 1) Perform a trigger that display create table operation

```
create trigger t1 on database for create_table  
as begin print(' new table is created ') end
```

```
create table student(s_no int , sname  
varchar(40) , addres varchar(40))  
insert into student values(1,'rahul' , 'tardeo')  
insert into student values(2,'Ram' , 'Pune')  
insert into student values(3,'Sita' , 'Lucknow')  
select * from student
```

- 2) Alter the trigger

```
alter trigger t1 on database for alter_table ,  
drop_table as begin  
print('table altered') end
```

```
alter table student add conntact_no int  
drop table student  
select * from student
```

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

```
create trigger t2 on database for alter_table ,  
drop_table as begin print('permission denied')  
rollback end
```

4) To disable and enable trigger

a)Enable Trigger

```
enable trigger t2 on database
```

b)Disable Trigger

```
disable trigger t2 on database
```

5)Perform rename operation

```
create trigger t3 on database for rename as  
begin print('table renamed ') end
```

```
sp_rename 'Student','Children'  
select * from children
```

6) Perform server level trigger that blocks the user from creating altering and dropping the database

```
create trigger t4 on all server for
create_table , alter_table , drop_table as
print ('server level trigger')
rollback
go
```

7) Dropping trigger

- 1) drop trigger t1 on database
- 2) drop trigger t4 on all server

8) use master go

B) Perform DML Trigger

1) Create a trigger to perform DML operation customer table

```
create trigger t6 on customer for  
insert, delete , update as  
begin  
print('insert_update_delete ')  
end
```

2) Perform the trigger on customer table that blocks the user from performing DML operations

```
create trigger t7 on CUSTOMER for  
insert, delete , update as begin  
print('permission denied')  
rollback  
end
```

```
insert into customer values(1,'rohit' , 'mumbai')  
update customer set cname='rahul' where  
cname='rohit'  
delete customer where cid=1
```

3) Perform a trigger to check the inserted and deleted records on student table

```
create trigger t13
```

```
on Children for insert,update,delete as
```

```
begin
```

```
print('Inserted') select * from inserted
```

```
print('Deleted') select * from deleted
```

```
end
```

```
insert into student values (3,'akash' , 'shirdi')
```

```
update student set sname='Mr'+sname where s_no=1
```

6)create table customer(cid int , cname VARCHAR(40) ,
ADDRESS VARCHAR(40))

C)Use of instead of trigger

1)create table product(pname varchar(50))

2)create trigger t9

on product

instead of

delete as

Begin

print('sorry you cant delete the data ')

end

3)insert product

select 'cannot'

union

select 'delete'

union

select 'me'

4)select * from product

5)delete product

6)update product set pname='equal' where
pname='cannot'