

Practical-10

Triggers

1. Create Trigger Trig1 which execute after update on product_master. While updating value of any sellprice it should also update product_rate filed value of same prodcutno in sales_order_detail table.

delimiter \$\$

create trigger trig1 after update on product_master for each row

begin

 update sales_order_details set product_rate=new.sellprice

 where productno=new.productno;

end\$\$

update product_master set sellprice=400 where productno='P00001'\$\$

select * from sales_order_details\$\$

orderno	productno	qtyordered	product_rate
O19001	P00001	4	400
O19001	P07965	2	350
O19001	P07885	2	700
O19002	P00001	10	400
O46865	P07868	3	850
O46865	P07885	3	700
O46865	P00001	10	400
O46865	P0345	4	500
O19003	P0345	2	500
O19003	P06734	1	600
O46866	P07965	1	350
O46866	P07975	1	300
O19008	P00001	8	400
O19008	P07975	5	300

2. Create Trigger Trig2 Which execute before delete on employee table. It copy the deleted record to the new table deleted_emp. (create a deleted_emp table first which contains same attribute and datatype as employee)

Delimiter \$\$

```
create table deleted_emp like emp$$
```

```
create trigger trig2 before delete on emp for each row
```

```
begin
```

```
    insert into deleted_emp select * from emp where name =  
    old.name;
```

```
end$$
```

```
delete from emp where name="hares"$$
```

```
select * from deleted_emp$$
```

emp_id	name	age	city	designation	department	salary	joindate	email_id
1	hares	24	NULL	salesman	sales	11500.00	NULL	NULL

3. Create Trigger Trig3 Which execute before insert new record in employee table if new records joining date is after 01-01-2021 then insert new record in deleted_emp table also.

Delimiter \$\$

```
create trigger trig3 before insert on emp for each row
```

```
begin
```

```
    if(new.joindate>"2021-01-01") then  
        insert into deleted_emp values(new.emp_id, new.name,  
        new.age,new.city,new.designation,new.department,new.sa  
        lary,new.joindate,new.email_id);
```

```
    end if;
```

```
end$$
```

```
insert into emp values(12, "naman" , 23, "surat", "admin", "admin",  
12000, "2022-02-02", "naman@gmail.com")$$
```

```
select * from deleted_emp$$
```

emp_id	name	age	city	designation	department	salary	joindate	email_id
NULL	hares	24	NULL	salesman	sales	11500.00	NULL	NULL
12	naman	23	surat	admin	admin	12000.00	2022-02-02	naman@gmail.com