VIEWS

1. **Create view:** staff salary view is created which contains details of staff with salary 20000

```
create view staff_salary AS
select sname,sage,ssalary
from staff
where ssalary=20000;
```

2. **Select * from viewname:** Selecting and displaying all values in view

```
select * from staff_salary;
```

Results | Explain | Describe | Saved SQL | Histor

SNAME	SAGE	SSALARY
Rahul	22	20000
Shweta	27	20000
Ankit	25	20000
Nitin	28	20000
Sakshi	36	20000

5 rows returned in 0.00 seconds Download

3. **Update statement on view**: updating staff age where staff name is ankit.

```
update staff_salary
set sage=28
where sname='Ankit';
select * from staff_salary;
```

Results | Explain | Describe | Saved SQL | History

SNAME	SAGE	SSALARY
Rahul	22	20000
Shweta	27	20000
Ankit	28	20000
Nitin	28	20000
Sakshi	36	20000

5 rows returned in 0.00 seconds Download

This also updates the record in original table.

select * from staff;

Results Explain Describe Saved SQL History

SID	CID	SNAME	SAGE	SSALARY	SSEX	POST
1	1	John	25	25000	Male	Supervisor
2	2	Emily	28	28000	Female	Assistant Manager
3	2	Rahul	22	20000	Male	Clerk
4	3	Smita	30	30000	Female	Manager
5	4	Vikas	24	25000	Male	Supervisor
6	3	Priya	29	28000	Female	Assistant Manager
7	5	Aryan	23	21000	Male	Accountant
8	6	Shweta	27	20000	Female	Clerk
9	7	Aditya	26	28000	Male	Assistant Manager
10	8	Neha	31	30000	Female	Manager
11	9	Raj	24	28000	Male	Assistant Manager
12	10	Sneha	32	21000	Female	Accountant
13	11	Gaurav	27	21000	Male	Accountant
14	11	Komal	33	21000	Female	Accountant
15	12	Ankit	28	20000	Male	Clerk
16	13	Tanvi	34	30000	Female	Manager
17	14	Nitin	28	20000	Male	Clerk
18	15	Tina	35	25000	Female	Supervisor
19	16	Amit	29	21000	Male	Accountant
20	17	Sakshi	36	20000	Female	Clerk

20 rows returned in 0.00 seconds Download

4. **Delete statement on view**: delete the record from view where age is 22

delete from staff_salary
where sage=22;
select * from staff_salary;

Results Explain Describe Saved SQL History

SNAME	SAGE	SSALARY
Shweta	27	20000
Ankit	28	20000
Nitin	28	20000
Sakshi	36	20000

4 rows returned in 0.00 seconds Download

5. **Dop view**

drop view staff_salary;

Results Explain Des

```
View dropped.
```

0.01 seconds

Triggers

1. **Create trigger**: create a trigger which on deleting any value from staff table will store the record in another table, backup. The backup table will contain deleted records of staff table.

```
create trigger t1
before delete on staff
for each row
begin
insert into backup
values(:old.sid,:old.cid,:old.sname,:old.sage,:old.ssalary,:old.ssex,:old.post);
end;

create table backup(
sid int primary key,
cid int,
sname varchar(20),
sage int,
ssalary int,
ssex varchar(10),
post varchar(10));

delete from staff where sid=20;

select * from backup;
```

Results Explain Describe Saved SQL History

SID	CID	SNAME	SAGE	SSALARY	SSEX	POST
20	17	Sakshi	36	20000	Female	Clerk

1 rows returned in 0.00 seconds Download

2. **Drop trigger.**

drop trigger t1;

Results Explain

```
Trigger dropped.
```

0.01 seconds

3. **Create trigger:** the trigger t2 after updating salary of driver adds the updated value of salary into a new table latest dsalary.

```
create table latest_dsalary(
Did int,
Dname varchar2(20),
Licence_no int,
updated_salary int
);

create trigger t2
after update on driver
for each row
begin
insert into latest_dsalary values(:old.Did,:old.dname,:old.licence_no,:new.dsalary);
end;

update driver set dsalary=30000 where did=1;
select * from latest_dsalary;
```

Results Explain Describe Saved SQL History

DID	DNAME	LICENCE_NO	UPDATED_SALARY
1	Rajesh	12345	30000

1 rows returned in 0.00 seconds Download