

```

2 • use EMPLOYEE;
3 • create table Employee1(e_no int,e_name varchar(30),MGR_no int,hiredate date,sal double,
+ dept_no int ,primary key(e_no),foreign key(dept_no)references Dept1(dept_no));
4 • create table Dept1(dept_no int primary key,D_name varchar(30),D_loc varchar(35));
5 • create table Incentives1(e_no int, incentive_date date, incentive_amount double,
+ foreign key(e_no)references Employee1(e_no));
6 • create table Project1(p_no int primary key,p_loc varchar(30),p_name varchar(30));
7 • create table Assigned_to1(e_no int,p_no int, job_role varchar(30),
+ foreign key(e_no)references Employee1(e_no),foreign key(p_no) references Project1(p_no));
8 • insert into Employee1
9     values(1001,'John',00,'2023-01-18',65000,1),(1002,'Sarah',1001,'2023-02-28',56000.0,2),
10    (1003,'Robert',1001,'2023-04-26',45000.0,3),(1004,'Dhanush',1002,'2023-04-25',28800.0,4)
11   ,(1005,'Raju',1002,'2023-01-16',47000.0,5),(11006,'Krishna',1003,'2023-04-15',60000.0,6);
12 • insert into Dept1
13     values(1,'Backend dev','New York'),(2,'Frontend dev','San Francisco'),(3,'Mini-Project','Chicago'),
14    (4,'Database Management','Los Angels'),(5,'Cybersecurity','Houston'),(6,'HR','Boston');
15 • insert into Incentives1
16     values (1001,'2024-05-14',1200.0),(1002,'2024-01-24',1500.0),(1003,'2024-03-03',2000.0),(1004,'2024-05-19',1800.0),
17    (1005,'2025-10-15',3000.0),(11006,'2025-03-11',2500.0);
18 • insert into Project1
19     values (101,'New York ','HR Automation'),(102,'San Francisco','Cloud Marketing'),(103,'Chicago','Budget Tracker'),
20    (104,'Los Angels','Ad Campaign'),(105,'Houston','Supply Chain'),(106,'Boston','AI Research');
21 • insert into Assigned_to1
22     values(1001,101,'Project Manager'),(1002,102,'Software Engineer'),(1003,103,'Financial Analyst'),
23    (1004,104,'Marketing Head'),(1005,105,'Operations Specialist'),(11006,106,'Research Associate');
24 • insert into Assigned_to1 values (1001,102,'Software Engineer');
25 • update Employee1
26     set MGR_no=null
27     where e_no=1001;

```

```
insert into Incentives1 values (1001,'2025-10-09',2800.0);
```

```

36 •      select e.e_name,e.e_no from Employee1 e
37       where e.e_no not in (select e_no from Assigned_to1);

```

Result Grid | Filter Rows: \_\_\_\_\_ | Edit: | Export/Import

	e_name	e_no
*	NULL	NULL

```
32 •      select e.e_name,d.D_name,d.D_loc  
33       from Employee1 e,Dept1 d  
34       where e.dept_no=d.dept_no;
```

Result Grid | Filter Rows:  Export:

	e_name	D_name	D_loc
▶	John	Backend dev	New York
	Sarah	Frontend dev	San Francisco
	Robert	Mini-Project	Chicago
	Dhanush	Database Management	Los Angels
	Raju	Cybersecurity	Houston
	Krishna	HR	Boston

```
38  
39 •      select avg(sal),max(sal) as Maximum_sal,dept_no  
40       from Employee1  
41       group by dept_no  
42       order by dept_no asc;  
43
```

Result Grid | Filter Rows:  Export: Wrap Cell Conte

	avg(sal)	Maximum_sal	dept_no
▶	65000	65000	1
	56000	56000	2
	45000	45000	3
	28800	28800	4
	47000	47000	5
	60000	60000	6

```
46 •      select e_no,sum(incentive_amount) as total_incentive  
47      from Incentives1  
48      group by e_no;  
49
```

| Result Grid | Filter Rows:  Export: | Wrap Cell Content:

	e_no	total_incentive
▶	1001	4000
	1002	1500
	1003	2000
	1004	1800
	1005	3000
	11006	2500

```
--  
50 •      select e.e_name,e.e_no,p.p_name  
51      from Employee1 e,Project1 p,Assigned_to1 a  
52      where p.p_name='Budget Tracker' and a.e_no=e.e_no and p.p_no=a.p_no;  
53
```

| Result Grid | Filter Rows:  Export: | Wrap Cell Content:

	e_name	e_no	p_name
▶	Robert	1003	Budget Tracker

```
54 • select e.e_no,e.e_name,count(a.e_no)
55   from Employee1 e,Assigned_to1 a
56   where e.e_no=a.e_no
57   group by(a.e_no)
58   Having count(a.e_no)>1;
59
60 • update Employee1
```

Result Grid | Filter Rows: | Export:

	e_no	e_name	count(a.e_no)
▶	1001	John	2

```
64 • select MGR_no,count(*)
65   from employee1
66   where MGR_no is not null
67   group by MGR_no order by MGR_no asc;
68
69 • select p_no,count(e_no) as no_Employee fr
70
```

Result Grid | Filter Rows: | Export:

	MGR_no	count(*)
▶	1001	2
	1002	2
	1003	1

```
29  
60 •   select d.D_name from Dept1 d  
61     left join Employee1 e on d.dept_no=e.dept_no  
62     where e.e_no is null;  
63  
64 •   update Employee1
```

| Result Grid | Filter Rows: \_\_\_\_\_ | Export: | Wrap

D_name
--------

```
73 •   select p_no,count(e_no) as no_Employee  
74     from Assigned_to1 group by p_no;  
75
```

| Result Grid | Filter Rows: \_\_\_\_\_ | Export: |

	p_no	no_Employee
▶	101	1
	102	2
	103	1
	104	1
	105	1
	106	1