

```

2 • use EMPLOYEE;
3 • create table Employee1(e_no int,e_name varchar(30),MGR_no int,hiredate date,sal double,
4   dept_no int ,primary key(e_no),foreign key(dept_no)references Dept1(dept_no));
5 • create table Dept1(dept_no int primary key,D_name varchar(30),D_loc varchar(35));
6 • create table Incentives1(e_no int, incentive_date date, incentive_amount double,
7   foreign key(e_no)references Employee1(e_no));
8 • create table Project1(p_no int primary key,p_loc varchar(30),p_name varchar(30));
9 • create table Assigned_to1(e_no int,p_no int, job_role varchar(30),
10  foreign key(e_no)references Employee1(e_no),foreign key(p_no) references Project1(p_no));
11 • insert into Employee1
12   values(1001,'John',00,'2023-01-18',65000.0,1),(1002,'Sarah',1001,'2023-02-28',56000.0,2),
13   (1003,'Robert',1001,'2023-04-26',45000.0,3),(1004,'Dhanush',1002,'2023-04-25',28800.0,4),
14   (1005,'Raju',1002,'2023-01-16',47000.0,5),(11006,'Krishna',1003,'2023-04-15',60000.0,6);
15 • insert into Dept1
16   values(1,'Backend dev','New York'),(2,'Frontend dev','San Francisco '), (3,'Mini-Project','Chicago'),
17   (4,'Database Management','Los Angels'),(5,'Cybersecurity','Houston'),(6,'HR','Boston');
18 • insert into Incentives1
19   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),
20   (1005,'2025-10-15',3000.0),(11006,'2025-03-11',2500.0);
21 • insert into Project1
22   values (101,'New York ','HR Automation'),(102,'San Francisco','Cloud Marketing'),(103,'Chicago','Budget Tracker'),
23   (104,'Los Angels','Ad Campaign'),(105,'Houston','Supply Chain'),(106,'Boston','AI Reseach');
24 • insert into Assigned_to1
25   values(1001,101,'Project Manager'),(1002,102,'Software Engineer'),(1003,103,'Financial Analyst'),
26   (1004,104,'Marketing Head'),(1005,105,'Operations Splcialist'),(11006,106,'Research Associate');
27 • insert into Assigned_to1 values (1001,102,'Software Engineer');
28 • update Employee1
29   set MGR_no=null
30   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 Angeles
	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

```

53
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

```

63
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

59

```
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
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```
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