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1 • create database Employee_1;
2 • use Employee_1;
3 • create table Employee(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 Dept_details(dept_no));
5 • select * from Employee;
6 • create table Dept_details(dept_no int primary key,D_name varchar(30),D_loc varchar(35));
7 • create table Incentives(e_no int, incentive_date date, incentive_amount double,
8 • foreign key(e_no)references Employee(e_no));
9 • select * from Incentives;
10 • create table Project(p_no int primary key,p_loc varchar(30),p_name varchar(30));
11 • select * from Project;
12 • create table Assigned_to(e_no int,p_no int, job_role varchar(30),
13 • foreign key(e_no)references Employee(e_no),foreign key(p_no) references Project(p_no));
14 • insert into Employee values
15 • (1001,'John',00,'2020-03-15',65000,1),(1002,'Sarah',1001,'2021-01-10',70000,2),
16 • (1003,'Robert',1001,'2022-06-25',55000,3),(1004,'Mary',1002,'2021-11-05',62000,4),
17 • (1005,'James',1002,'2023-02-14',58000,5),(11006,'Alice',1003,'2023-09-01',60000,6);
18 • insert into Dept_details values
19 • (1,'HR','New York'),(2,'IT','San Francisco'),(3,'Finance','Chicago'),
20 • (4,'Marketing','Los Angeles'),(5,'Operations','Houston'),(6,'Research','Boston');

18 • insert into Dept_details values
19 • (1,'HR','New York'),(2,'IT','San Francisco'),(3,'Finance','Chicago'),
20 • (4,'Marketing','Los Angeles'),(5,'Operations','Houston'),(6,'Research','Boston');
21 • insert into Project values (101,'New York','HR Automation'),(102,'San Francisco','Cloud Migration')
22 • ,(103,'Chicago','Budget Tracker'),(104,'Los Angeles','Ad Campaign')
23 • ,(105,'Houston','Supply Chain'),(106,'Boston','AI Research');
24 • insert into Assigned_to values(1001,101,'Project Manager'),(1002,102,'Software Engineer')
25 • ,(1001,103,'Financial Analyst'),(1004,104,'Marketing Lead'),(1005,105,'Operations Specialist')
26 • ,(11006,106,'Research Associate');
27 • insert into Incentives values (1001,'2023-12-15',1500.00),(1002,'2023-12-15',2000.0),(1003,'2023-12-15',1200.0)
28 • ,(1004,'2023-12-15',1800.0),(1005,'2024-01-20',1000.0),(11006,'2024-01-20',1700.0);
29

```

update Employee

set sal=100000





where e\_no =1001;

- update Employee
  - set dept\_no=1
  - where e\_no=1002;

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30 • select e.e_no,d.D_loc from Employee e,Dept_details d
31 where e.dept_no=d.dept_no and d.D_loc in ('New York','Los Angeles','Chicago');
32

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

	e_no	D_loc
▶	1001	New York
	1002	New York
	1003	Chicago
	1004	Los Angeles

```

33 • select e_no from Employee
34 where e_no not in (select e_no from Incentives);
35

```

Result Grid   Filter Rows:  | Edit:    | Export: 

	e_no
*	NULL

```

43 • select MGR_no,count(*) from Employee where MGR_no is not null
44 group by MGR_no order by MGR_NO desc;
45

```

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

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

```

48 • select e.e_no,e.e_name from Employee e
49 where e.sal >(select avg(m.sal) from Employee m where e.e_no=m.MGR_no);

```

Result Grid			Filter Rows: <input type="text"/>	Edit:			Export/Import:		Wrap C
	e_no	e_name							
▶	1001	John							
	1002	Sarah							
•	NULL	NULL							

```

36 • select distinct e.e_no,e.e_name,e.dept_no,a.job_role,d.D_loc,p.p_loc from Employee e,Dept_details d,Project p,Assigned_to a
37 where e.dept_no=d.dept_no and d.D_loc=p.p_loc and e.e_no=a.e_no;
38

```

Result Grid			Filter Rows: <input type="text"/>	Export:	Wrap Cell Content: <input type="text"/>	
	e_no	e_name	dept_no	job_role	D_loc	p_loc
▶	1002	Sarah	1	Software Engineer	New York	New York
	1001	John	1	Project Manager	New York	New York
	1001	John	1	Financial Analyst	New York	New York
	1004	Mary	4	Marketing Lead	Los Angeles	Los Angeles
	1005	James	5	Operations Specialist	Houston	Houston
	11006	Alice	6	Research Associate	Boston	Boston

```

63 • select e.e_no,e.dept_no
64 from Employee e,Employee m
65 where e.dept_no=m.dept_no and e.MGR_no=m.e_no;

```

Result Grid			Filter Rows: <input type="text"/>	Export:	Wrap C
	e_no	dept_no			
▶	1002	1			