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WEEK-5

CREATE DATABASE employee\_database\_subramanya;

USE employee\_database\_subramanya;

CREATE TABLE project(

    p\_no INT,

    p\_name VARCHAR(20),

    p\_loc VARCHAR(20),

    PRIMARY KEY(p\_no)

);

CREATE TABLE dept(

    dept\_no INT,

    d\_name VARCHAR(20),

    d\_loc VARCHAR(20),

    PRIMARY KEY(dept\_no)

);

CREATE TABLE employee(

    emp\_no INT,

    e\_name VARCHAR(20),

    mgr\_no INT,

    hire\_date DATE,

    sal INT,

    dept\_no INT,

    PRIMARY KEY(emp\_no),

    FOREIGN KEY(dept\_no) REFERENCES dept(dept\_no) ON DELETE CASCADE

);

```
CREATE TABLE incentives(  
    emp_no INT,  
    incentive_date DATE,  
    incentive_amount INT,  
    PRIMARY KEY(emp_no,incentive_date),  
    FOREIGN KEY(emp_no) REFERENCES employee(emp_no) ON DELETE CASCADE  
);
```

```
CREATE TABLE assigned_to(  
    emp_no INT,  
    p_no INT,  
    job_role VARCHAR(20),  
    PRIMARY KEY(emp_no,p_no),  
    FOREIGN KEY(emp_no) REFERENCES employee(emp_no) ON DELETE CASCADE,  
    FOREIGN KEY(p_no) REFERENCES project(p_no) ON DELETE CASCADE  
);
```

```
INSERT INTO dept VALUES  
("1","SURVEY","BENGALURU"),  
("2","ARCHITECTURE","HYDERABAD"),  
("3","TEST_TEAM","MYSURU"),  
("4","FINANCE","DELHI"),  
("5","ENGINEERING","BOMBAY"),  
("6","R_AND_D","DHARWAD");
```

```
INSERT INTO project VALUES  
("1","ROYAL_BRIDGE","BENGALURU"),  
("2","HOTEL_TRAVEL_INN","JAMMU"),  
("3","RAILWAY_STATION","CHENNAI"),  
("4","SUNSHINE_APARTMENT","BOMBAY"),  
("5","HOTEL_PRESIDENT","MANGALORE"),
```

```
("6","CENTRAL_AIRPORT","GOA"),  
("7","THEME_PARK","MYSURU"),  
("8","IT_FIRM","HYDERABAD");
```

INSERT INTO employee VALUES

```
("10","DEV","101",'2016-11-21',"50000","2"),  
("11","ARJUN","102",'2015-1-12',"20000","3"),  
("12","RAHUL","103",'2016-10-20',"35000","6"),  
("13","SARANG","141",'2020-12-21',"60000","5"),  
("14","PUSHKAR","151",'2019-9-15',"15000","1"),  
("15","VIRAT","601",'2012-5-13',"50000","4"),  
("16","PHILIP","007",'2021-7-1',"20000","1"),  
("17","ARUN","1007",'2016-4-13',"40000","2");
```

INSERT INTO incentives VALUES

```
("13",'2021-11-5',"5000"),  
("11",'2019-1-21',"2000"),  
("14",'2020-10-15',"8000"),  
("15",'2015-11-15',"10000"),  
("15",'2021-11-5',"9000");
```

INSERT INTO assigned\_to VALUES

```
("10","2","LEAD"),  
("17","2","SITE_ARCHITECT"),  
("11","3","TESTING_LEAD"),  
("13","1","SITE_ENG"),  
("13","3","SITE_ENG"),  
("14","3","SURVEY_LEAD"),  
("15","6","FINANCE_MANAGER"),  
("10","4","SITE_ARCHITECT"),
```

```

("15","5","FINANCE_MANAGER"),
("14","1","SURVEY_LEAD"),
("11","7","TESTING_LEAD"),
("10","8","LEAD");

```

```

SELECT DISTINCT e.emp_no,e.e_name
FROM employee e,assigned_to a,project p
WHERE e.emp_no=a.emp_no AND a.p_no=p.p_no AND p.p_loc
IN("BENGALURU","HYDERABAD","MYSURU");

```

```

SELECT DISTINCT e.emp_no
FROM employee e,incentives i
WHERE e.emp_no NOT IN(SELECT i.emp_no FROM incentives i);

```

```

SELECT DISTINCT e.e_name,e.emp_no,e.dept_no,a.job_role,d.d_loc,p.p_loc
FROM employee e,dept d,assigned_to a,project p
WHERE d.dept_no=e.dept_no AND e.emp_no=a.emp_no AND a.p_no=p.p_no AND p.p_loc=d.d_loc;

```

Output:

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	emp_no	e_name			
▶	13	SARANG			
	14	PUSHKAR			
	11	ARJUN			
	10	DEV			

Result 1 × Result 2 Result 3

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	emp_no			
▶	16			
	10			
	17			
	12			

Result 1   Result 2 ×   Result 3

Result Grid							Filter Rows:	Export:	Wrap Cell Content:
	e_name	emp_no	dept_no	job_role	d_loc	p_loc			
▶	PUSHKAR	14	1	SURVEY_LEAD	BENGALURU	BENGALURU			
	DEV	10	2	LEAD	HYDERABAD	HYDERABAD			
	ARJUN	11	3	TESTING_LEAD	MYSURU	MYSURU			