

## PRACTICAL - 6

```
CREATE TABLE EMPLOYEE (  
    emp_id INT, emp_name VARCHAR(100), job_name VARCHAR(100), manager_id INT,  
    hire_date DATE, salary INT, E_Bonus INT, dep_no INT  
);
```

```
INSERT INTO EMPLOYEE (emp_id, emp_name, job_name, manager_id, hire_date, salary,  
E_Bonus, dep_no)
```

```
VALUES (68319, 'KAYLING', 'PRESIDENT', NULL, '1991-11-18', 6000, 300, 1001),  
    (66928, 'BLAZE', 'MANAGER', 68319, '1991-05-01', 2750, 200, 3001),  
    (67832, 'CLARE', 'MANAGER', 68319, '1991-06-09', 2550, 200, 1001),  
    (65646, 'JONAS', 'MANAGER', 68319, '1991-04-02', 2957, 200, 2001),  
    (67858, 'SCARLET', 'ANALYST', 65646, '1997-04-19', 3100, 250, 2001),  
    (69062, 'FRANK', 'ANALYST', 65646, '1991-12-03', 3100, 250, 2001),  
    (63679, 'SANDRINE', 'CLERK', 69062, '1990-12-18', 900, 150, 2001),  
    (64989, 'ADELYN', 'SALESMAN', 66928, '1991-02-20', 1700, 180, 3001),  
    (65271, 'WADE', 'SALESMAN', 66928, '1991-02-22', 1350, 180, 3001),  
    (66564, 'MADDEN', 'SALESMAN', 66928, '1991-09-28', 1350, 180, 3001),  
    (68454, 'TUCKER', 'SALESMAN', 66928, '1991-09-08', 1600, 180, 3001),  
    (68736, 'ADNRES', 'CLERK', 67858, '1997-05-23', 1200, 150, 2001),  
    (69000, 'JULIUS', 'CLERK', 66928, '1991-12-03', 1050, 150, 3001),  
    (69324, 'MARKER', 'CLERK', 67832, '1992-01-23', 1400, 150, 1001);
```

```
CREATE TABLE DEPARTMENT(  
    deptno INT, dname VARCHAR(100), Citylocation VARCHAR(100), dCountry VARCHAR(100)  
);
```

```
INSERT INTO DEPARTMENT (deptno, dname, Citylocation, dCountry)  
VALUES (1001, 'Accounting', 'New York', 'United States of America'),  
    (2001, 'Research', 'Dallas', 'United States'),  
    (3001, 'Sales', 'Chicago', 'United States of America'),  
    (4001, 'Marketing', 'Los Angeles', 'United States');
```

```
CREATE TABLE PROJECT(  
    Pno INT,  
    Pname VARCHAR(100),  
    PCitylocation VARCHAR(100),  
    deptno INT  
);
```

```
INSERT INTO PROJECT (Pno, Pname , PCitylocation, deptno)  
VALUES (111, 'P_1', 'New York', 1001),  
    (112, 'P_2', 'Dallas', 1001),  
    (113, 'P_3', 'Chicago', 2001),  
    (114, 'P_4', 'Denmark', 2001),  
    (115, 'P_5', 'Paris', 3001),  
    (116, 'P_6', 'Chicago', 3001),  
    (117, 'P_7', 'Paris', 4001);
```

```

-- Q1. Display the max salaries for each designation ordered in descending order.
SELECT distinct job_name, salary FROM EMPLOYEE WHERE salary
IN (SELECT max(salary) FROM EMPLOYEE GROUP BY job_name) ORDER BY salary DESC;

-- Q.2 Display the employees where salary is more than their manager.
SELECT e.emp_name FROM EMPLOYEE e,EMPLOYEE m WHERE e.manager_id=m.emp_id
AND e.salary>m.salary;

-- Q3. Display the project details for sales department
SELECT * FROM PROJECT
WHERE deptno = (SELECT deptno FROM DEPARTMENT WHERE dname = 'Sales');

-- Q4. Display the name and salaries of employees working in department at location
Chicago.
SELECT emp_name, salary FROM EMPLOYEE
WHERE dep_no = (SELECT deptno FROM DEPARTMENT WHERE Citylocation = 'Chicago');

-- Q5. Find the project location for employees working in department Research.
SELECT pcitylocation FROM PROJECT
WHERE deptno=(SELECT deptno FROM DEPARTMENT WHERE dname='Research');

-- Q6. Display the names of departments having same project location.
SELECT DISTINCT(dname) from DEPARTMENT,PROJECT
WHERE DEPARTMENT.citylocation=PROJECT.PCitylocation;

-- Q7. Display the employee details who working on project p_3 and p_6.
SELECT e.* FROM EMPLOYEE e, PROJECT p
WHERE e.dep_no = p.deptno AND (p.Pname = 'P_3' OR p.Pname = 'P_6');

-- Q8. Display the department names handling more than one project.
select DEPARTMENT.dname from DEPARTMENT inner join PROJECT
on DEPARTMENT.deptno = PROJECT.deptno group by DEPARTMENT.dname having count(*) > 1;

```

**Q1.**

job_name	salary
PRESIDENT	6000
ANALYST	3100
MANAGER	2957
SALESMAN	1700
CLERK	1400

**Q3.**

Pno	Pname	PCitylocation	deptno
115	P_5	Paris	3001
116	P_6	Chicago	3001

**Q8.**

dname
Accounting
Research
Sales

**Q6.**

dname
Accounting
Research
Sales

**Q2.**

emp_name
FRANK
SCARLET

**Q4.**

emp_name	salary
BLAZE	2750
ADELYN	1700
WADE	1350
MADDEN	1350
TUCKER	1600
JULIUS	1050

**Q5.**

pcitylocation
Chicago
Denmark

**Q7.**

emp_id	emp_name	job_name	manager_id	hire_date	salary	E_Bonus	dep_no
66928	BLAZE	MANAGER	68319	1991-05-01	2750	200	3001
65646	JONAS	MANAGER	68319	1991-04-02	2957	200	2001
67858	SCARLET	ANALYST	65646	1997-04-19	3100	250	2001
69062	FRANK	ANALYST	65646	1991-12-03	3100	250	2001
63679	SANDRINE	CLERK	69062	1990-12-18	900	150	2001
64989	ADELYN	SALESMAN	66928	1991-02-20	1700	180	3001
65271	WADE	SALESMAN	66928	1991-02-22	1350	180	3001
66564	MADDEN	SALESMAN	66928	1991-09-28	1350	180	3001
68454	TUCKER	SALESMAN	66928	1991-09-08	1600	180	3001
68736	ADNRES	CLERK	67858	1997-05-23	1200	150	2001
69000	JULIUS	CLERK	66928	1991-12-03	1050	150	3001