Practical – 10

Q1. Display the eid, ename, deptname in which department atleast one employee is working.

```
SQL> show user;
USER is "C##ASHISH"
SQL> select emp.eno, emp.ename, dept.deptname from emp, dept where emp.deptno = dept.deptno;

       ENO ENAME                     DEPTNAME
---------- ------------------------- --------------------
      7839 king                      Accounting
      7782 clark                     Accounting
      7788 scott                     Research
      7566 jones                     Research
      7876 adams                     Research
      7521 ward                      Sales
      7900 james                     Sales
      7844 turner                    Sales
      7654 martin                    Sales
      7698 blake                     Sales
      7499 allen                     Sales

11 rows selected.

SQL>
```

Q2. Display the empname, job, deptno, deptname. All the deptname should be displayed whether they have employee or not.

```
SQL> show user;
USER is "C##ASHISH"
SQL> select ename, job, dept.deptno from dept left outer join emp on (emp.deptno = dept.deptno);

ENAME                     JOB           DEPTNO
------------------------- ---------- ----------
king                      president          10
blake                     manager            30
clark                     manager            10
jones                     manager            20
martin                    salesman           30
allen                     salesman           30
turner                    salesman           30
james                     clerk              30
ward                      salesman           30
scott                     analyst            20
adams                     clerk              20
                                             40

12 rows selected.

SQL>
```

Q3. Display the empname, job, deptno, deptname. All the employee name should be displayed whether any have deptno or not.

```
SQL> show user;
USER is "C##ASHISH"
SQL> select ename, job, emp.deptno, deptname from dept right outer join emp on (dept.deptno = emp.deptno);

ENAME                     JOB            DEPTNO DEPTNAME
------------------------- ---------- ---------- --------------------
king                      president          10 Accounting
clark                     manager            10 Accounting
jones                     manager            20 Research
scott                     analyst            20 Research
adams                     clerk              20 Research
blake                     manager            30 Sales
martin                    salesman           30 Sales
allen                     salesman           30 Sales
turner                    salesman           30 Sales
james                     clerk              30 Sales
ward                      salesman           30 Sales
ford                      analyst
smith                     clerk
miller                    clerk

14 rows selected.

SQL>
```

Q4. Display all the details of employee table or department table whether they have common values on common column or not.

```
SQL> show user;
USER is "C##ASHISH"
SQL> select * from emp full outer join dept on (dept.deptno = emp.deptno);

       ENO ENAME                 JOB              MGR HIREDATE      SALARY       COMM     DEPTNO     DEPTNO DEPTNAME            LOCATION
---------- --------------------- --------- --------- --------- ---------- ---------- ---------- ---------- -------------------- ----------
--------
      7839 king                  president           17-NOV-81       5000                    10         10 Accounting           New York
      7698 blake                 manager          8739 01-MAY-81       2850                    30         30 Sales                Chicago
      7782 clark                 manager          7839 09-JUN-81       2450                    10         10 Accounting           New York
      7566 jones                 manager          7839 02-APR-81       2975                    20         20 Research             Dallas
      7654 martin                salesman         7698 28-SEP-81       1250       1400         30         30 Sales                Chicago
      7499 allen                 salesman         7698 20-FEB-81       1600        300         30         30 Sales                Chicago
      7844 turner                salesman         7698 08-SEP-81       1500          0         30         30 Sales                Chicago
      7900 james                 clerk            7698 03-DEC-81        950                    30         30 Sales                Chicago
      7521 ward                  salesman         7698 22-FEB-81       1250        500         30         30 Sales                Chicago
      7902 ford                  analyst          7566 03-DEC-81       3000
      7396 smith                 clerk            7902 17-DEC-80        800
      7788 scott                 analyst          7566 09-DEC-82       3000                    20         20 Research             Dallas
      7876 adams                 clerk            7788 12-JAN-83       1100                    20         20 Research             Dallas
      7934 miller                clerk            7782 12-JAN-82       1300
                                                                                                 40 Operation            Boston

15 rows selected.

SQL>
```

Q5. Display the deptno, ename & location of all employee who have mgr 7500 between 7900.

```
SQL> show user;
USER is "C##ASHISH"
SQL> select emp.deptno, ename, location from emp inner join dept on(dept.deptno = emp.deptno) where (emp.mgr between 7500 and 7900);

    DEPTNO ENAME                     LOCATION
---------- ------------------------- ------------------------------
        10 clark                     New York
        20 scott                     Dallas
        20 jones                     Dallas
        20 adams                     Dallas
        30 ward                      Chicago
        30 james                     Chicago
        30 allen                     Chicago
        30 martin                    Chicago
        30 turner                    Chicago

9 rows selected.

SQL>
```

Q6. Display the deptno which is common in both table

```
SQL> show user;
USER is "C##ASHISH"
SQL> select deptno from emp intersect select deptno from dept;

    DEPTNO
----------
        10
        30
        20

SQL>
```

Q7. Display all the deptno which are available in both the table without any duplicacy.

```
SQL> show user;
USER is "C##ASHISH"
SQL> select deptno from dept union select deptno from emp;

    DEPTNO
----------
        10
        20
        30
        40


SQL>
```

Q8. Display the deptno from department table which is not in employee table

```
SQL> show user;
USER is "C##ASHISH"
SQL> select deptno from dept minus select deptno from emp;

    DEPTNO
----------
        40

SQL>
```