Practical – 9

Q1. Display number of employee with same job.

```
SQL> show user;
USER is "C##ASHISH"
SQL> select job, count(job) from emp group by job;
           COUNT(JOB)
J0B
president
                     1
                     3
manager
                     4
salesman
clerk
                     4
                     2
analyst
SQL>
```

Q2. Display the sum, average, highest and lowest salary of employee grouped by deptno.

```
SQL> show user;
USER is "C##ASHISH"
SQL> select sum(salary), avg(salary), max(salary), min(salary) from emp group by deptno;
SUM(SALARY) AVG(SALARY) MAX(SALARY) MIN(SALARY)
        7450
                    3725
                                 5000
       9400 1566.66667
                                 2850
                                              950
       7075 2358.33333
                                 3000
                                              1100
       5100
                    1700
                                 3000
                                               800
SQL>
```

Q3. Display the detail of employee arrange deptno in descending order.

```
SQL> show user;
USER is "C##ASHISH"
SQL> select * from emp order by deptno desc;
      EMPNO ENAME
                                                                       MGR HIREDATE
                                                                                              SALARY
                                                                                                               COMM
                                                                                                                          DEPTNO
                                                J<sub>0</sub>B
                                                                      7566 03-DEC-81
                                                                                                 3000
       7902 ford
                                                analyst
        7396 smith
                                                                      7902 17-DEC-80
                                               clerk
                                                                      7782 12-JAN-82
       7934 miller
                                                clerk
                                                                                                 1300
                                                                     7698 20-FEB-81
7698 28-SEP-81
8739 01-MAY-81
       7499 allen
                                                salesman
                                                                                                 1600
                                                                                                                300
                                                                                                                               30
30
                                                                                                 1250
                                                                                                               1400
       7654 martin
                                                salesman
       7698 blake
                                                                                                 2850
                                               manager
                                                                     7698 08-SEP-81
7698 22-FEB-81
                                                                                                                               30
30
                                                                                                 1500
       7844 turner
                                                salesman
                                                                                                 1250
                                                                                                                500
        7521 ward
                                               salesman
        7900 james
                                                                      7698 03-DEC-81
                                                                                                  950
                                               clerk
                                                                                                                               20
20
20
       7876 adams
                                               clerk
                                                                      7788 12-JAN-83
                                                                                                 1100
       7788 scott
                                                analyst
                                                                      7566 09-DEC-82
                                                                                                 3000
       7566 jones
7782 clark
                                                                     7839 02-APR-81
7839 09-JUN-81
                                               manager
                                                                                                 2975
                                                                                                                                10
                                               manager
                                                                                                 2450
       7839 king
                                                                            17-NOV-81
                                               president
                                                                                                                                10
                                                                                                 5000
14 rows selected.
SQL> |
```

Q4. Display the details like ename, empno, job of the employee where in department more than 2 employees are working.

```
SQL> show user;
USER is "C##ASHISH"
SQL> select ename, empno, job from emp where deptno in(select deptno from emp group by deptno having count(deptno) > 2);
ENAME
                                  EMPNO JOB
blake
                                   7698 manager
martin
                                    7654 salesman
allen
                                    7499 salesman
turner
                                    7844 salesman
                                   7900 clerk
james
                                    7521 salesman
ward
jones
                                    7566 manager
scott
                                   7788 analyst
7876 clerk
adams
9 rows selected.
SQL>
```

Q5. Find the employees who works in same dept as that of emp scott.

```
SQL> show user;
USER is "C##ASHISH"
SQL> select * from emp where deptno in (select deptno from emp where ename = 'scott');
     EMPNO ENAME
                                      J0B
                                                         MGR HIREDATE
                                                                            SALARY
                                                                                         COMM
                                                                                                   DEPTNO
      7566 jones
                                                        7839 02-APR-81
                                                                              2975
                                                                                                       20
                                      manager
      7788 scott
                                      analvst
                                                        7566 09-DFC-82
                                                                              3000
                                                                                                       20
      7876 adams
                                      clerk
                                                        7788 12-JAN-83
                                                                              1100
                                                                                                       20
SQL>
```

Q6. Display the detail of employee who are from New York.

Q7. Display the detail of job in which the salary of employee who are working in same department, who have salary >= 8000.

```
SQL> show user;
USER is "C##ASHISH"
SQL> select job from emp where deptno in(select deptno from emp group by deptno having sum(salary) >= 8000);

JOB
------
manager
salesman
salesman
salesman
clerk
salesman

6 rows selected.

SQL>
```

Q8. Select all the detail of employee table as ascending and descending order by empno.

EMPNO ENAME	J0B	MGR	HIREDATE	SALARY	COMM	DEPTNO
7396 smith	clerk	7902	17-DEC-80	800		
7499 allen	salesman	7698	20-FEB-81	1600	300	30
7521 ward	salesman	7698	22-FEB-81	1250	500	30
7566 jones	manager	7839	02-APR-81	2975		20
7654 martin	salesman		28-SEP-81	1250	1400	30
7698 blake	manager		01-MAY-81	2850		30
7782 clark	manager		09-JUN-81	2450		10
7788 scott	analyst	7566	09-DEC-82	3000		20
7839 king	president		17-NOV-81	5000		10
7844 turner	salesman		08-SEP-81	1500	0	30
7876 adams	clerk		12-JAN-83	1100		20
7000 ismoc	clerk	7698	03-DEC-81	950		30
7900 james						
7902 ford	analyst		03-DEC-81	3000		
	clerk		03-DEC-81 12-JAN-82	3000 1300		
7902 ford 7934 miller rows selected.	clerk	7782			COMM	DEPTNO
7902 ford 7934 miller rows selected. · select * from emp orde	clerk r by empno desc;	7782 MGR	12-JAN-82	1300	COMM	DEPTNO
7902 ford 7934 miller ows selected. select * from emp orde EMPNO ENAME	clerk er by empno desc; JOB	7782 MGR 	12-JAN-82 HIREDATE	1300 SALARY	СОММ	DEPTNO
7902 ford 7934 miller rows selected. rows select * from emp orde EMPNO ENAME 7934 miller	clerk er by empno desc; JOB 	7782 MGR 7782 7566	12-JAN-82 HIREDATE	1300 SALARY 1300	COMM	DEPTNO
7902 ford 7934 miller ows selected. select * from emp orde EMPNO ENAME 7934 miller 7902 ford	clerk r by empno desc; JOB 	7782 MGR 7782 7566 7698	12-JAN-82 HIREDATE	1300 SALARY 	СОММ	
7902 ford 7934 miller rows selected. select * from emp orde EMPNO ENAME 7934 miller 7902 ford 7900 james	clerk or by empno desc; JOB	7782 MGR 7782 7566 7698 7788	HIREDATE	1300 SALARY	COMM 	30
7902 ford 7934 miller rows selected. select * from emp orde EMPNO ENAME 7934 miller 7902 ford 7900 james 7876 adams 7844 turner 7839 king	clerk er by empno desc; JOB	7782 MGR 7782 7566 7698 7788	HIREDATE	1300 SALARY		30 20
7902 ford 7934 miller ows selected. select * from emp orde EMPNO ENAME 7934 miller 7902 ford 7900 james 7876 adams 7844 turner	clerk or by empno desc; JOB	7782 MGR 7782 7566 7698 7788 7698	HIREDATE	SALARY		30 20 30
7902 ford 7934 miller Fows selected. Fows select * from emp order EMPNO ENAME 7934 miller 7902 ford 7900 james 7876 adams 7844 turner 7839 king 7788 scott 7782 clark	clerk r by empno desc; JOB clerk analyst clerk clerk salesman president	7782 MGR 7782 7566 7698 7788 7698	HIREDATE 	SALARY		30 20 30 10
7902 ford 7934 miller rows selected. select * from emp orde EMPNO ENAME 7934 miller 7902 ford 7900 james 7876 adams 7844 turner 7839 king 7788 scott	clerk r by empno desc; JOB clerk analyst clerk clerk salesman president analyst	7782 MGR 7782 7566 7698 7788 7698 7566 7839	HIREDATE	SALARY		30 20 30 10 20
7902 ford 7934 miller ows selected. select * from emp orde EMPNO ENAME	clerk r by empno desc; JOB clerk analyst clerk clerk salesman president analyst manager	7782 MGR 7782 7566 7698 7788 7698 7566 7839 8739	HIREDATE	SALARY		30 20 30 10 20
7902 ford 7934 miller rows selected. select * from emp orde EMPNO ENAME	clerk r by empno desc; JOB	7782 MGR 7782 7566 7698 7788 7698 7566 7839 8739 7698	HIREDATE	SALARY	0	30 20 30 10 20 10 30
7902 ford 7934 miller Fows selected. Felect * from emp order EMPNO ENAME 7934 miller 7902 ford 7900 james 7876 adams 7844 turner 7839 king 7788 scott 7782 clark 7698 blake 7654 martin 7566 jones 7521 ward	clerk r by empno desc; JOB	7782 MGR 7782 7566 7698 7788 7698 7566 7839 7698 7839 7698	HIREDATE	SALARY	0 1400 500	30 20 30 10 20 10 30 30 20
7902 ford 7934 miller rows selected. select * from emp orde EMPNO ENAME 7934 miller 7902 ford 7900 james 7876 adams 7844 turner 7839 king 7788 scott 7782 clark 7698 blake 7654 martin 7566 jones	clerk r by empno desc; JOB clerk analyst clerk clerk salesman president analyst manager manager salesman manager	7782 MGR 7782 7566 7698 7788 7698 7566 7839 7698 7839 7698	HIREDATE	SALARY	0	30 20 30 10 20 30 30 30

Q9. Display the details of all those department that do not have any employee.

Q.10 Display the detail of all those department in which more than 3 employees are working.

```
SQL> show user;
USER is "C##ASHISH"
SQL> select * from dept where deptno in (select deptno from emp group by deptno having count(deptno) > 3);

DEPTNO DEPTNAME LOCATION

30 Sales Chicago

SQL>
```

Q.11 Display the detail of those employee who have salary = any employee of deptno 30.

```
SQL> show user;
USER is "C##ASHISH"
SQL> select * from emp where salary in(select salary from emp where deptno = 30);
                                                                                              DEPTNO
     EMPNO ENAME
                                    JOB
                                                      MGR HIREDATE
                                                                        SALARY
                                                                                     COMM
      7698 blake
                                    manager
                                                     8739 01-MAY-81
      7654 martin
                                    salesman
                                                     7698 28-SEP-81
                                                                          1250
                                                                                     1400
                                                                                                  30
                                                     7698 22-FEB-81
      7521 ward
                                                                                                  30
                                    salesman
                                                                          1250
                                                                                      500
      7499 allen
                                    salesman
                                                     7698 20-FEB-81
                                                                          1600
                                                                                      300
                                                                                                  30
      7844 turner
                                    salesman
                                                     7698 08-SEP-81
                                                                          1500
                                                                                        0
                                                                                                  30
      7900 james
                                    clerk
                                                     7698 03-DEC-81
                                                                           950
                                                                                                  30
6 rows selected.
SQL>
```

Q.12 Rename column empno to eno.