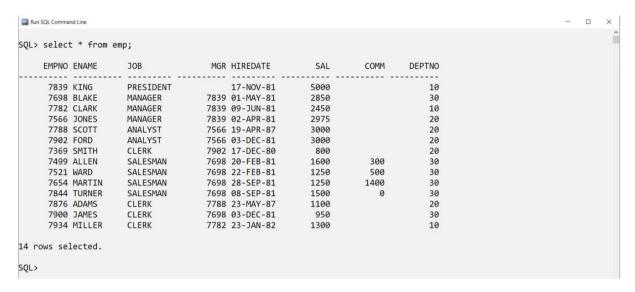
Practical 3

- A) Using emp table, perform the following queries:
- 1) Display the details of all employees.



2) Display the name and job for all employees.

```
SQL> SELECT ENAME, JOB FROM emp;
ENAME
           JOB
           PRESIDENT
KING
BLAKE
           MANAGER
           MANAGER
JONES
           MANAGER
SCOTT
           ANALYST
FORD
           ANALYST
SMITH
           CLERK
           SALESMAN
ALLEN
           SALESMAN
WARD
MARTIN
           SALESMAN
TURNER
           SALESMAN
ADAMS
           CLERK
JAMES
           CLERK
MILLER
           CLERK
14 rows selected.
```

3) Display name and salary for all employees.

```
SQL> SELECT ENAME, SAL FROM emp;
ENAME
                   SAL
KING
                  5000
BLAKE
                  2850
CLARK
                  2450
JONES
                  2975
SCOTT
                  3000
FORD
                  3000
SMITH
ALLEN
                  1600
WARD
                  1250
MARTIN
                  1250
TURNER
                  1500
ADAMS
                  1100
JAMES
MILLER
                  1300
14 rows selected.
```

4) Display the details of all employees who are earning salary greater than 2000.

```
SQL> SELECT * FROM emp
  2 WHERE SAL>2000;
      EMPNO ENAME
                            JOB
                                                  MGR HIREDATE
                                                                             SAL
                                                                                          COMM
                                                                                                       DEPTNO
                           PRESIDENT 17-NOV-81
MANAGER 7839 01-MAY-81
MANAGER 7839 09-JUN-81
MANAGER 7839 02-APR-81
ANALYST 7566 19-APR-87
ANALYST 7566 03-DEC-81
       7839 KING
                                                       17-NOV-81 5000
                                                                                                           10
       7698 BLAKE
                                                                            2850
                                                                                                            30
       7782 CLARK
                                                                            2450
                                                                                                            10
       7566 JONES
       7788 SCOTT
                                                                             3000
       7902 FORD
                                                                             3000
6 rows selected.
COL
```

5) Display the details of all employees who are working as Manager.

```
SQL> SELECT * FROM emp

2 WHERE JOB='MANAGER';

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

7698 BLAKE MANAGER 7839 01-MAY-81 2850 30

7782 CLARK MANAGER 7839 09-JUN-81 2450 10

7566 JONES MANAGER 7839 02-APR-81 2975 20

SQL>
```

6) Display the names of all employees who are working in department number 10.

```
SQL> SELECT ENAME
2 FROM emp
3 WHERE DEPTNO=10;

ENAME
-------
KING
CLARK
MILLER

SQL>
```

7) Display the names of all employees working as clerk and drawing a salary more than 3000.

```
SQL> SELECT ENAME
2 FROM emp
3 WHERE JOB='CLERK' and SAL>3000;
no rows selected
```

8) Display employee number and names for employees who earn commission.

9) Display names of employees who do not earn any commission.

10) Display the names of employees who are working as clerk, salesman or analyst and drawing a salary more than 2000.

11) Display the names of employees who are working as clerk, salesman or analyst.

```
SQL> SELECT ENAME
 2 FROM emp
 3 WHERE (JOB='CLERK' OR JOB='SALESMAN' OR JOB='ANALYST');
ENAME
SCOTT
FORD
SMITH
ALLEN
WARD
MARTIN
TURNER
ADAMS
JAMES
MILLER
10 rows selected.
SQL> _
```

12) Display the names of employees working in department number 10 or 20 or 30.

13) Display the details of employees whose salary lies in the range of 1000 and 2000.

-		* FROM em SAL betwee	p n 1000 and 2000	;				
	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
	7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300	30
	7521	WARD	SALESMAN	7698	22-FEB-81	1250	500	30
	7654	MARTIN	SALESMAN	7698	28-SEP-81	1250	1400	30
	7844	TURNER	SALESMAN	7698	08-SEP-81	1500	0	30
	7876	ADAMS	CLERK	7788	23-MAY-87	1100		20
	7934	MILLER	CLERK	7782	23-JAN-82	1300		10
rov	vs sele	ected.						
SQL>	_							

14) List the employees in the ascending order of their salaries.

```
SQL> SELECT ENAME FROM emp
 2 order by SAL ASC;
ENAME
SMITH
JAMES
ADAMS
MARTIN
WARD
MILLER
TURNER
ALLEN
CLARK
BLAKE
JONES
FORD
SCOTT
KING
14 rows selected.
SQL> _
```

15) List the Empno, Ename, Sal of all emps working for Mgr 7369.

```
SQL> SELECT EMPNO,ENAME,SAL
2 FROM emp
3 WHERE MGR=7369;
no rows selected

SQL>
```

16) List the employees who are either 'CLERK' or 'ANALYST' in the Desc order.

17) List the employees who are working in Deptno 10 or 20.

```
SQL> SELECT ENAME

2 FROM emp

3 WHERE (DEPTNO=10 OR DEPTNO=20);

ENAME

-------
KING
CLARK
JONES
SCOTT
FORD
SMITH
ADAMS
MILLER

8 rows selected.
```

18) List the employees whose name have a character set 'll' together.

```
SQL> SELECT * FROM emp
 2 WHERE ENAME LIKE'%LL%';
    EMPNO ENAME
                   JOB
                                  MGR HIREDATE
                                                      SAL
                                                               COMM
                                                                       DEPTNO
     7499 ALLEN
                   SALESMAN 7698 20-FEB-81
                                                     1600
                                                                300
                                                                           30
     7934 MILLER
                   CLERK
                                  7782 23-JAN-82
                                                     1300
                                                                           10
SQL> _
```

19) List the employees in ascending order of their names.

```
SQL> SELECT ENAME FROM emp
 2 order by ENAME ASC;
ENAME
ADAMS
ALLEN
BLAKE
CLARK
FORD
JAMES
JONES
KING
MARTIN
MILLER
SCOTT
SMITH
TURNER
WARD
14 rows selected.
SQL> _
```

20) List the employees in descending order of their names.

```
SQL> SELECT ENAME FROM emp
 2 order by ENAME DESC;
ENAME
WARD
TURNER
SMITH
SCOTT
MILLER
MARTIN
KING
JONES
JAMES
FORD
CLARK
BLAKE
ALLEN
ADAMS
14 rows selected.
SQL>
```

21) List the employees who do not belong to Deptno 20.

22) List all the employees except PRESIDENT and MANAGER.

23) List the employees whose name starts with A.

```
SQL> SELECT * FROM emp
 2 WHERE ENAME LIKE'A%';
    EMPNO ENAME
                    JOB
                                    MGR HIREDATE
                                                        SAL
                                                                  COMM
                                                                          DEPTNO
                    SALESMAN 7698 20-FEB-81
     7499 ALLEN
                                                       1600
                                                                              30
                                                                  300
     7876 ADAMS
                    CLERK
                                   7788 23-MAY-87
                                                       1100
                                                                              20
SQL>
```

24) List all the Clerks of Deptno 20.

```
SQL> SELECT * FROM emp
 2 WHERE JOB='CLERK' AND DEPTNO=20;
                  JOB
    EMPNO ENAME
                                   MGR HIREDATE
                                                       SAL
                                                                 COMM
                                                                         DEPTNO
     7369 SMITH
                    CLERK
                               7902 17-DEC-80
                                                        800
                                                                             20
     7876 ADAMS
                    CLERK
                                   7788 23-MAY-87
                                                       1100
                                                                             20
SQL>
```

25) List the employees whose names ends with S.

```
SQL> SELECT * FROM emp
 2 WHERE ENAME LIKE'%S';
    EMPNO ENAME
                    JOB
                                     MGR HIREDATE
                                                         SAL
                                                                   COMM
                                                                            DEPTNO
     7566 JONES
                     MANAGER
                                7839 02-APR-81
                                                        2975
                                                                                20
     7876 ADAMS
                     CLERK
                                    7788 23-MAY-87
                                                        1100
                                                                                20
     7900 JAMES
                                    7698 03-DEC-81
                     CLERK
                                                         950
                                                                                30
SQL>
```

26) List the employees who has name of exactly 4 characters.

```
SQL> SELECT * FROM emp

2 WHERE ENAME LIKE '____';

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

7839 KING PRESIDENT 17-NOV-81 5000 10
7902 FORD ANALYST 7566 03-DEC-81 3000 20
7521 WARD SALESMAN 7698 22-FEB-81 1250 500 30

SQL>
```

27) List the names of the employees who are working as MANAGER in department 10.

28) List the total salary of employees working as ANALYST.

```
SQL> SELECT SUM(SAL) FROM emp

2 WHERE JOB='ANALYST';

SUM(SAL)

6000

SQL>
```

29) List the minimum, maximum and average salary of the employees.

30) List the total number of employees working in department 10.

- B) Answer the following queries:
- 1) Display the total salary of employees department wise.

```
SQL> SELECT DEPTNO,SUM(SAL)

2 FROM emp

3 GROUP BY DEPTNO;

DEPTNO SUM(SAL)

30 9400
20 10875
10 8750

SQL> ■
```

2) Display the total salary of employees job wise in ascending order of job.

3) Display the total number of employees with specific job.

4) Display the total number of employees working in each department.

5) Display the total salary of employees specific to job and department in ascending order of job.

6) Display the total salary of the employees specific to job when employee count is greater than 1.

7) Display unique jobs of employees.