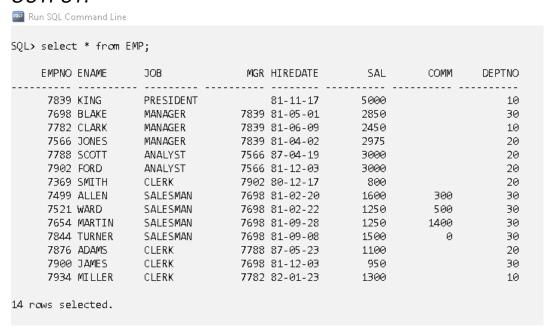
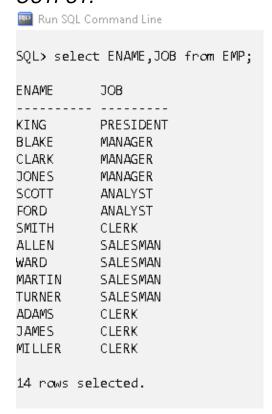
PRACTICAL 3

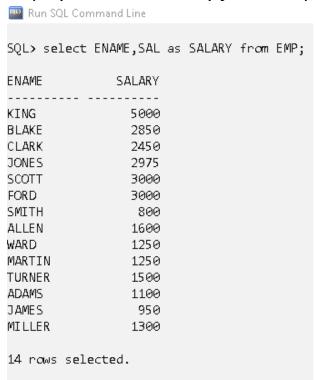
- A) Using emp table, perform the following gueries:
- 1) Display the details of all employees. **OUTPUT:**



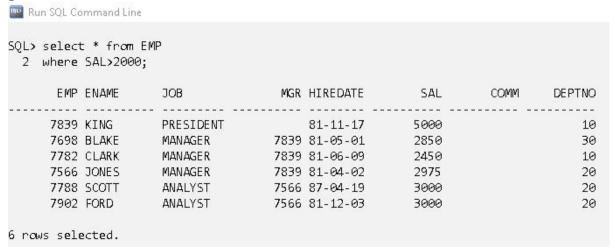
2) Display the name and job for all employees. **OUTPUT:**



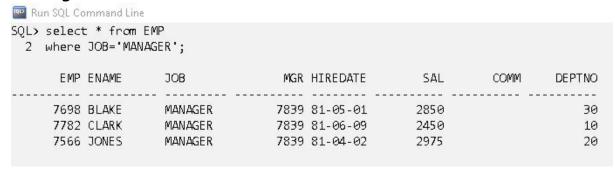
3) Display name and salary for all employees.



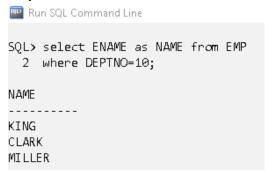
4) Display the details of all employees who are earning salary greater than 2000.



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



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



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

```
Run SQL Command Line

SQL> select ENAME as NAME from EMP
2 where (JOB='CLERK' and SAL>3000);

no rows selected
```

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

```
Run SQL Command Line

SQL> select EMPNO, ENAME as NAME from EMP

2 where COMM is not null;

EMPNO NAME

7499 ALLEN
7521 WARD
7654 MARTIN
7844 TURNER
```

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

```
Run SQL Command Line

SQL> select EMPNO, ENAME as NAME from EMP

where COMM is null;

EMPNO NAME

7839 KING
7698 BLAKE
7782 CLARK
7566 JONES
7788 SCOTT
7902 FORD
7369 SMITH
7876 ADAMS
7900 JAMES
7934 MILLER

10 rows selected.
```

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

```
Run SQL Command Line

SQL> select ENAME as NAME from EMP

2 where JOB in('CLERK', 'SALESMAN', 'ANALYST') and SAL>2000;

NAME

------
SCOTT
FORD
```

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

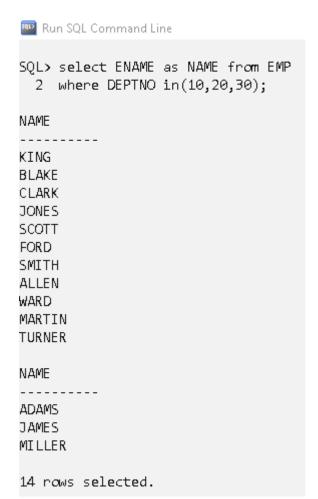
```
Run SQL Command Line

SQL> select ENAME as NAME from EMP
2 where JOB in('CLERK', 'SALESMAN', 'ANALYST');

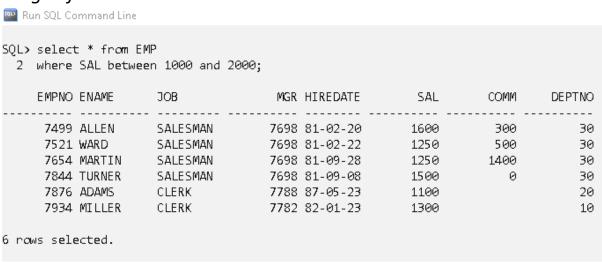
NAME
------
SCOTT
FORD
SMITH
ALLEN
WARD
MARTIN
TURNER
ADAMS
JAMES
MILLER

10 rows selected.
```

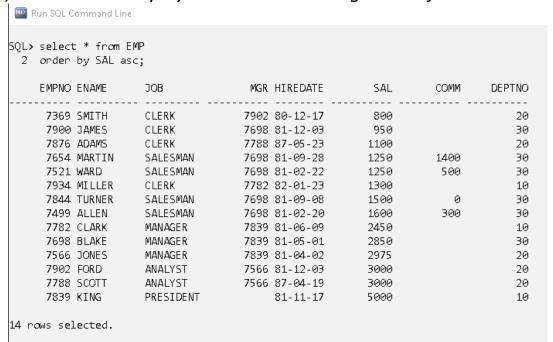
12) Display the names of employees working in department number 10 or 20 or 30.



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



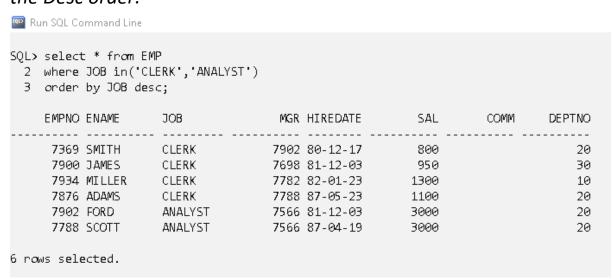
List the employees in the ascending order of their salaries. 14)



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

```
Run SQL Command Line
SQL> select EMPNO, ENAME, SAL from EMP
  2 where MGR=7369;
no rows selected
SQL>
```

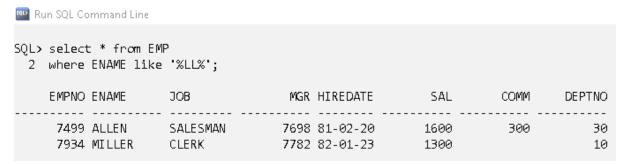
List the employees who are either 'CLERK' or 'ANALYST' in 16) the Desc order.



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

2 where	DEPTNO in(10,20);					
EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7839	KING	PRESIDENT		81-11-17	5000		10
7782	CLARK	MANAGER	7839	81-06-09	2450		10
7566	JONES	MANAGER	7839	81-04-02	2975		26
7788	SCOTT	ANALYST	7566	87-04-19	3000		26
7902	FORD	ANALYST	7566	81-12-03	3000		26
7369	SMITH	CLERK	7902	80-12-17	800		26
7876	ADAMS	CLERK	7788	87-05-23	1100		26
7934	MILLER	CLERK	7782	82-01-23	1300		16

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



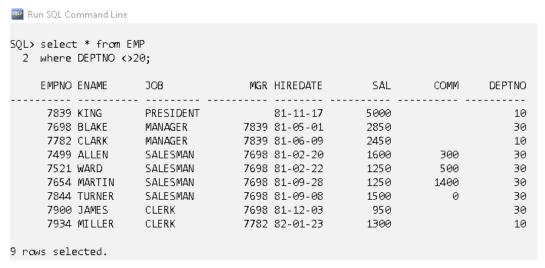
19) List the employees in ascending order of their names.

.> select * from 1 ? order by ENAME						
EMPNO ENAME	JOB	MGR	HIREDATE		COMM	DEPTNO
7876 ADAMS	CLERK	7788		1100		26
7499 ALLEN	SALESMAN	7698	81-02-20	1600	300	36
7698 BLAKE	MANAGER	7839	81-05-01	2850		36
7782 CLARK	MANAGER	7839	81-06-09	2450		16
7902 FORD	ANALYST	7566	81-12-03	3000		26
7900 JAMES	CLERK	7698	81-12-03	950		36
7566 JONES	MANAGER	7839	81-04-02	2975		26
7839 KING	PRESIDENT		81-11-17	5000		16
7654 MARTIN	SALESMAN	7698	81-09-28	1250	1400	36
7934 MILLER	CLERK	7782	82-01-23	1300		16
7788 SCOTT	ANALYST	7566	87-04-19	3000		26
7369 SMITH	CLERK	7902	80-12-17	800		26
7844 TURNER	SALESMAN	7698	81-09-08	1500	0	36
7521 WARD	SALESMAN	7698	81-02-22	1250	500	36

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

•	desc;					
EMPNO ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7521 WARD	SALESMAN	7698	81-02-22	1250	500	30
7844 TURNER	SALESMAN	7698	81-09-08	1500	0	30
7369 SMITH	CLERK	7902	80-12-17	800		20
7788 SCOTT	ANALYST	7566	87-04-19	3000		20
7934 MILLER	CLERK	7782	82-01-23	1300		16
7654 MARTIN	SALESMAN	7698	81-09-28	1250	1400	36
7839 KING	PRESIDENT		81-11-17	5000		16
7566 JONES	MANAGER	7839	81-04-02	2975		26
7900 JAMES	CLERK	7698	81-12-03	950		36
7902 FORD	ANALYST	7566	81-12-03	3000		26
7782 CLARK	MANAGER	7839	81-06-09	2450		16
7698 BLAKE	MANAGER	7839	81-05-01	2850		36
7499 ALLEN	SALESMAN	7698	81-02-20	1600	300	36
7876 ADAMS	CLERK	7788	87-05-23	1100		26

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



22) List all the employees except PRESIDENT and MANAGER.

L> select * from B 2 where JOB <> 'B		JOB <> 'MANAGER';			
EMPNO ENAME	JOB	MGR HIREDATE	SAL	COMM	DEPTNO
7788 SCOTT	ANALYST	7566 87-04-19	3000		26
7902 FORD	ANALYST	7566 81-12-03	3000		26
7369 SMITH	CLERK	7902 80-12-17	800		26
7499 ALLEN	SALESMAN	7698 81-02-20	1600	300	36
7521 WARD	SALESMAN	7698 81-02-22	1250	500	36
7654 MARTIN	SALESMAN	7698 81-09-28	1250	1400	36
7844 TURNER	SALESMAN	7698 81-09-08	1500	0	36
7876 ADAMS	CLERK	7788 87-05-23	1100		26
7900 JAMES	CLERK	7698 81-12-03	950		36
7934 MILLER	CLERK	7782 82-01-23	1300		16

23) List the employees whose name starts with A.

si	🌇 Run SQL Co	mmand Line						
S	-	: * from EMI ENAME like						
	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
		ALLEN ADAMS	SALESMAN CLERK		81-02-20 87-05-23	1600 1100	300	30 20

24) List all the Clerks of Deptno 20.

```
Run SQL Command Line
SQL> select * from EMP
  2 where JOB = 'CLERK' and DEPTNO =20;
                                                           SAL
    EMPNO ENAME
                      JOB
                                                                     COMM
                                                                               DEPTNO
                                       MGR HIREDATE
     7369 SMITH
                      CLERK
                                      7902 80-12-17
                                                           800
                                                                                   20
     7876 ADAMS
                      CLERK
                                      7788 87-05-23
                                                                                   20
```

25) List the employees whose names ends with S.

Ri	un SQL Co	mmand Line						
-		: * from EMI ENAME like						
	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
	7876	JONES ADAMS	MANAGER CLERK	7788	81-04-02 87-05-23	29 7 5 1100		20 20
	7900	JAMES	CLERK	7698	81-12-03	950		30

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

Run SQL Command Line						
SQL> select * from E 2 where ENAME lik						
EMPNO ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7839 KING 7902 FORD 7521 WARD	PRESIDENT ANALYST SALESMAN		81-11-17 81-12-03 81-02-22	5000 3000 1250	500	10 20 30

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.

```
Run SQL Command Line

SQL> select sum(SAL) from EMP

2 where JOB='ANALYST';

SUM(SAL)

-------
6000
```

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

```
Run SQL Command Line

SQL> select min(SAL) from EMP;

MIN(SAL)

800

SQL> select max(SAL) from EMP;

MAX(SAL)

5000

SQL> select avg(SAL) from EMP;

AVG(SAL)

2073,21429
```

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

```
Run SQL Command Line

SQL> select count(DEPTNO) from EMP

2 where DEPTNO=10;

COUNT(DEPTNO)

3
```

- 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.

```
Run SQL Command Line

SQL> select JOB, sum(SAL) from EMP
2 group by JOB
3 order by JOB asc;

JOB SUM(SAL)

ANALYST 6000
CLERK 4150
MANAGER 8275
PRESIDENT 5000
SALESMAN 5600

SQL>
```

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

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

```
Run SQL Command Line
SQL> select distinct deptno,count(*) from EMP
    group by DEPTNO;
    DEPTNO
             COUNT(*)
        30
                     6
        20
                     3
        10
SQL> =
```

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

```
Run SQL Command Line
    select JOB, DEPTNO, sum (SAL) from EMP
    group by JOB,DEPTNO
order by JOB;
                 DEPTNO
                             SUM(SAL)
NALYST
                                   6000
                      20
                                  1300
1900
950
2450
                      20
30
10
1ANAGER
                      20
30
                                  2975
2850
1ANAGER
1ANAGER
                      10
30
RESIDENT
                                   5000
ALESMAN
                                   5600
QL> 🕳
```

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

```
The select JOB, count(JOB), sum(SAL)

2 from EMP

3 group by JOB having count(*)>1;

JOB COUNT(JOB) SUM(SAL)

CLERK 4 4150

SALESMAN 4 5600

RANAGER 3 8275

ANALYST 2 6000

SQL>
```

7) Display unique jobs of employees.