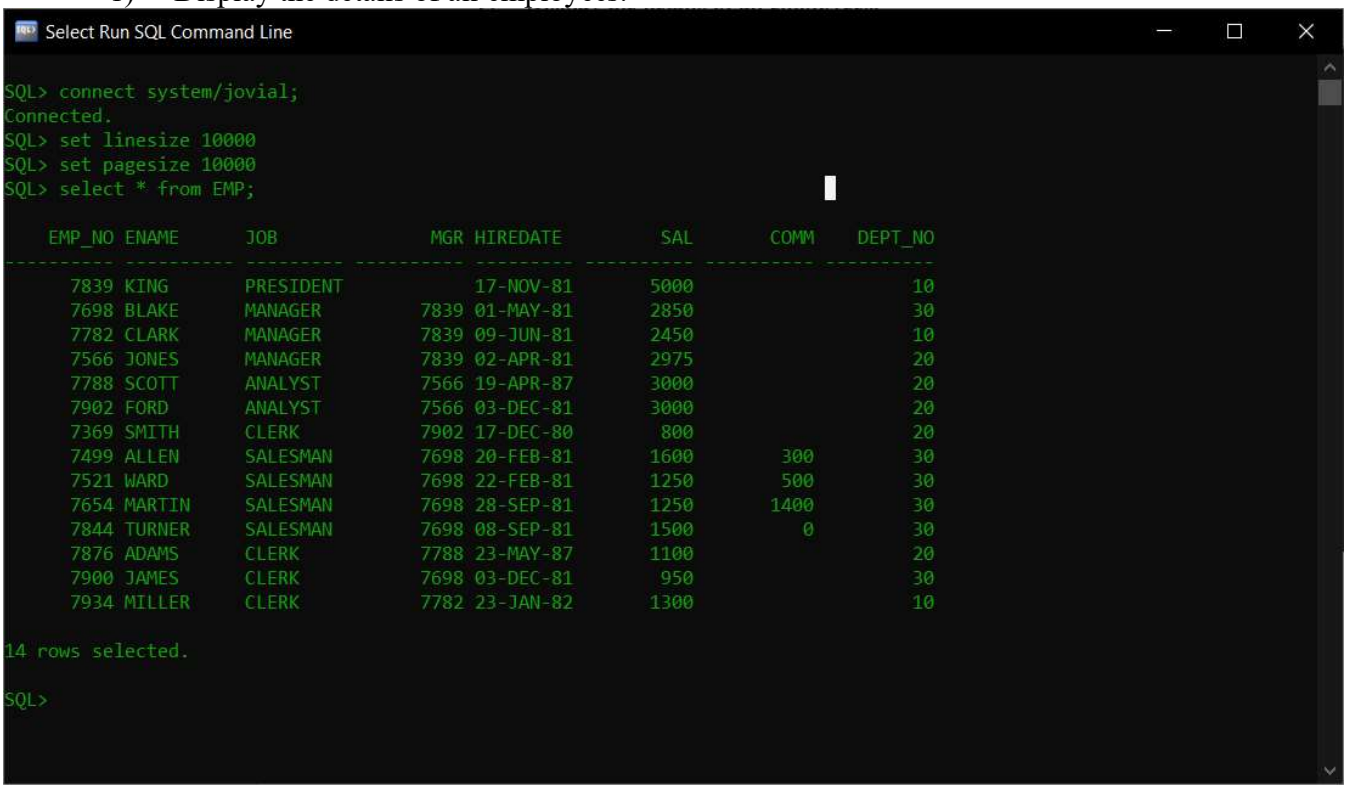
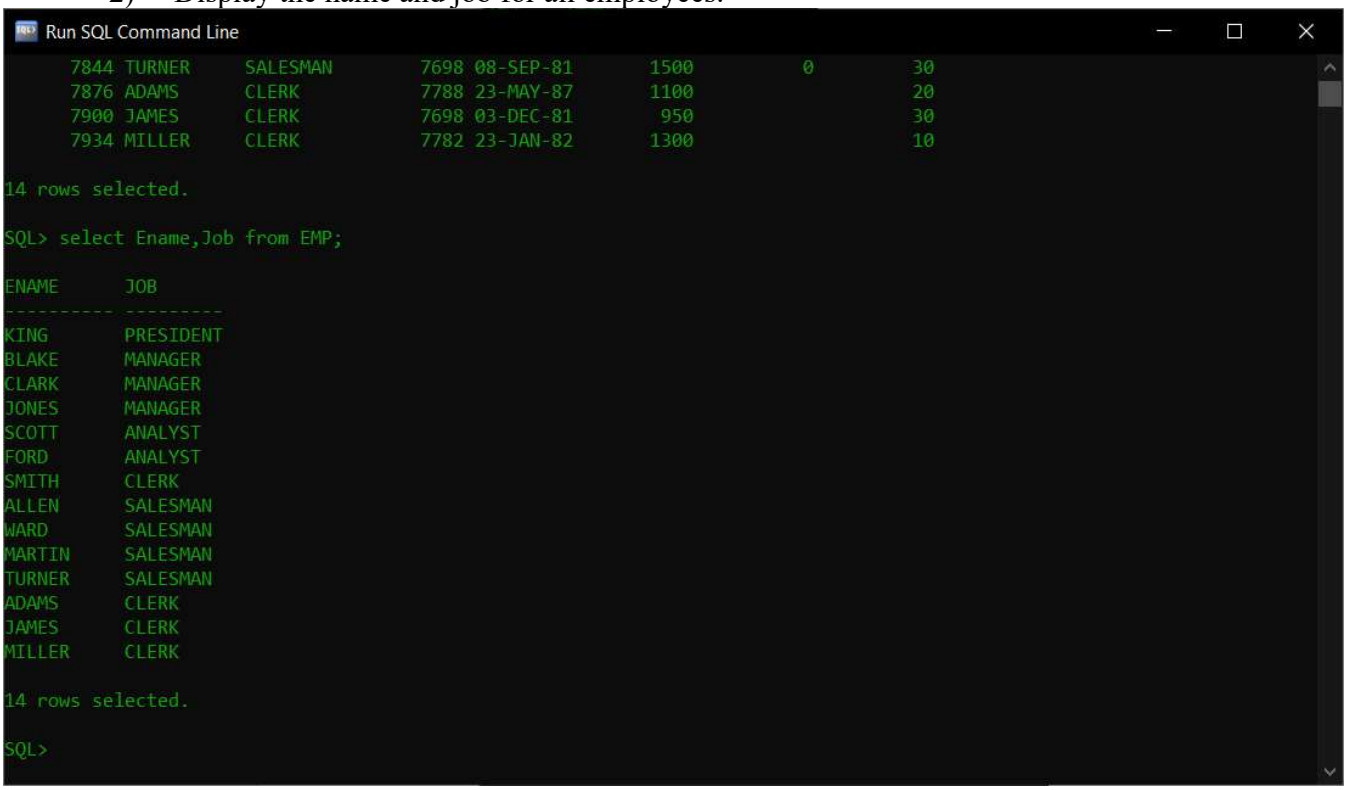
PRACTICAL 3

A. Using emp table, perform the following queries:

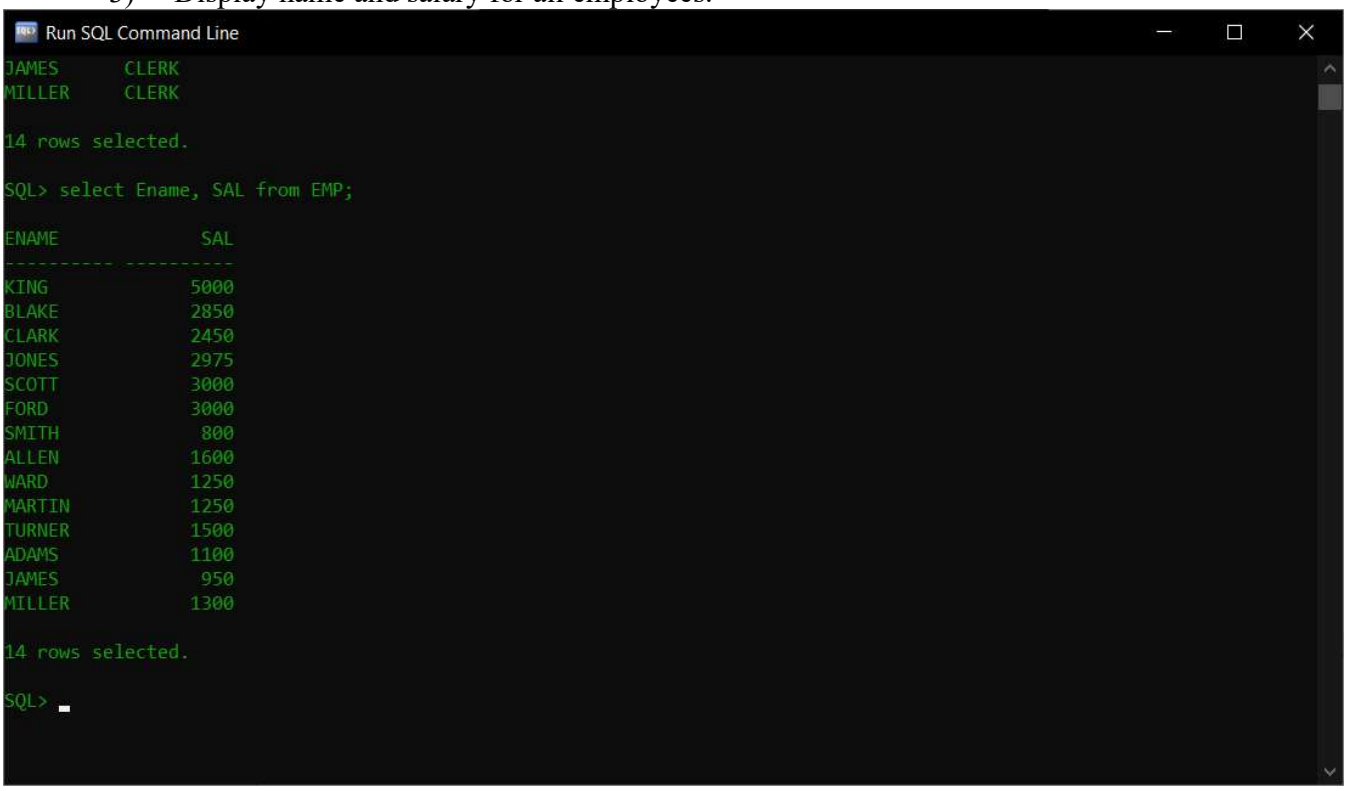
1) Display the details of all employees.



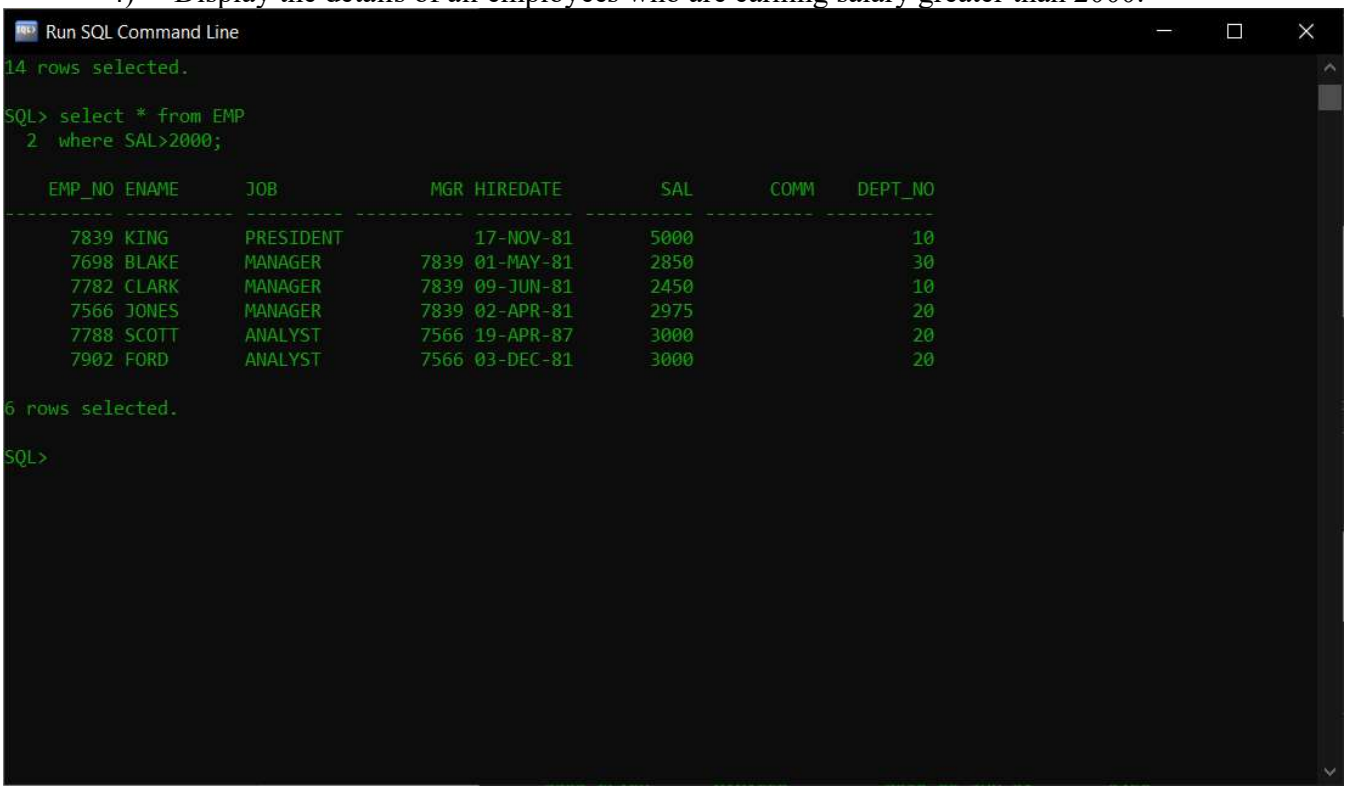
2) Display the name and job for all employees.



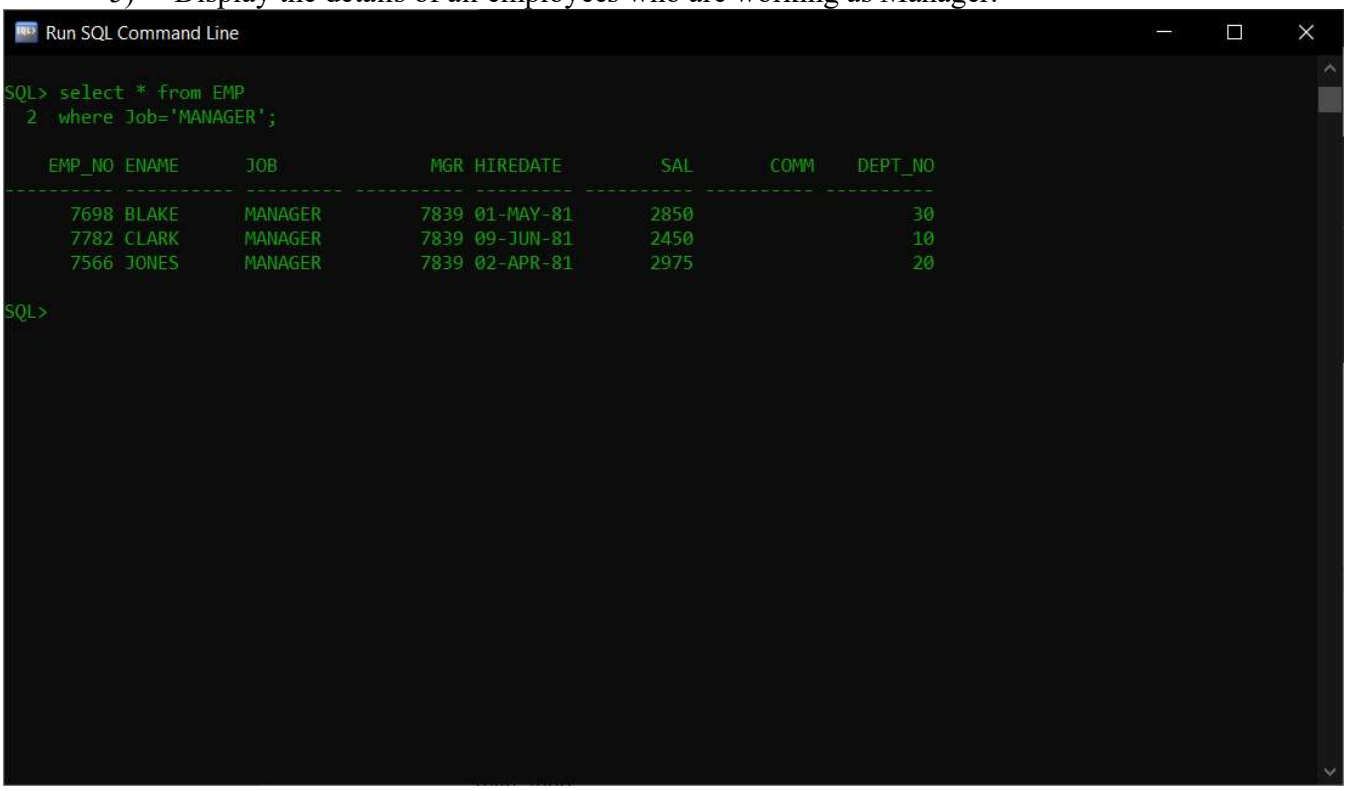
3) Display name and salary for all employees.



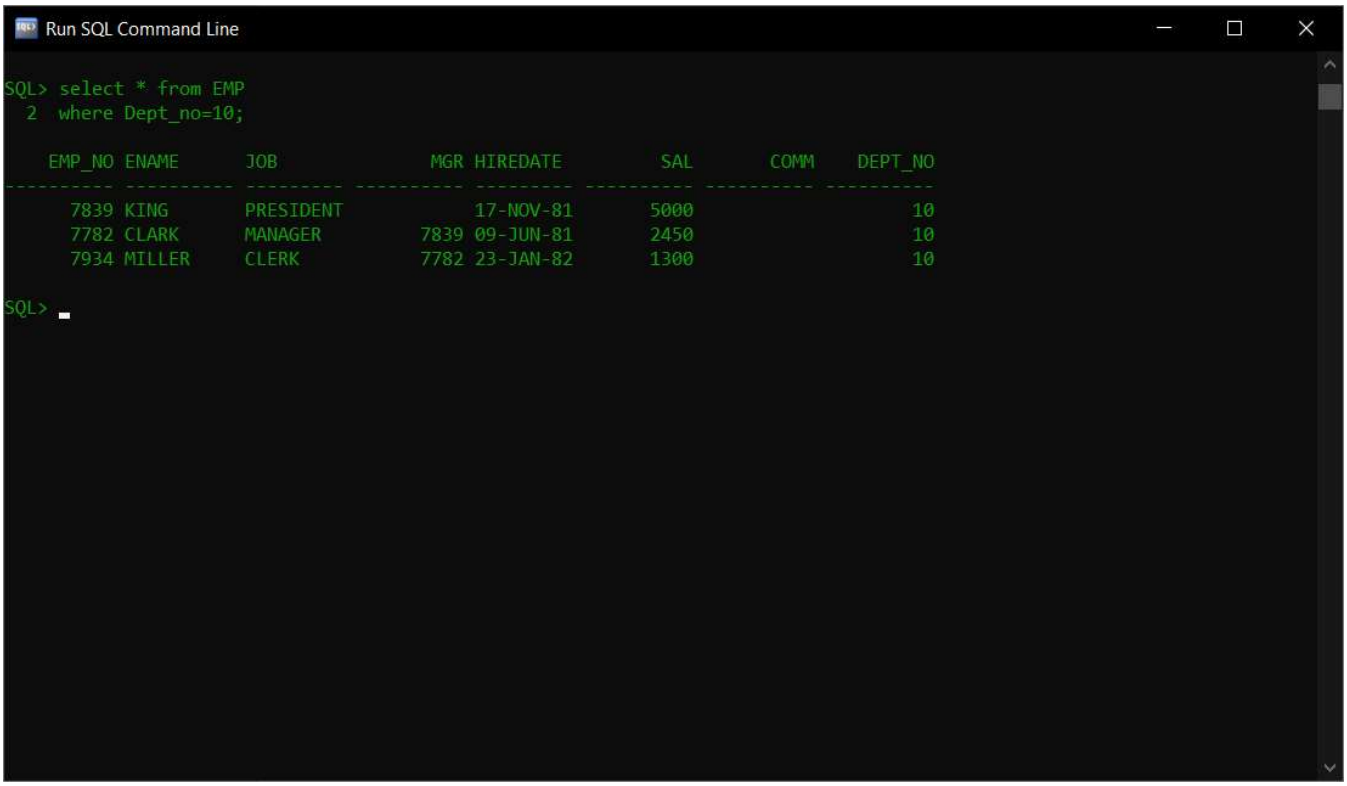
4) Display the details of all employees who are earning salary greater than 2000.



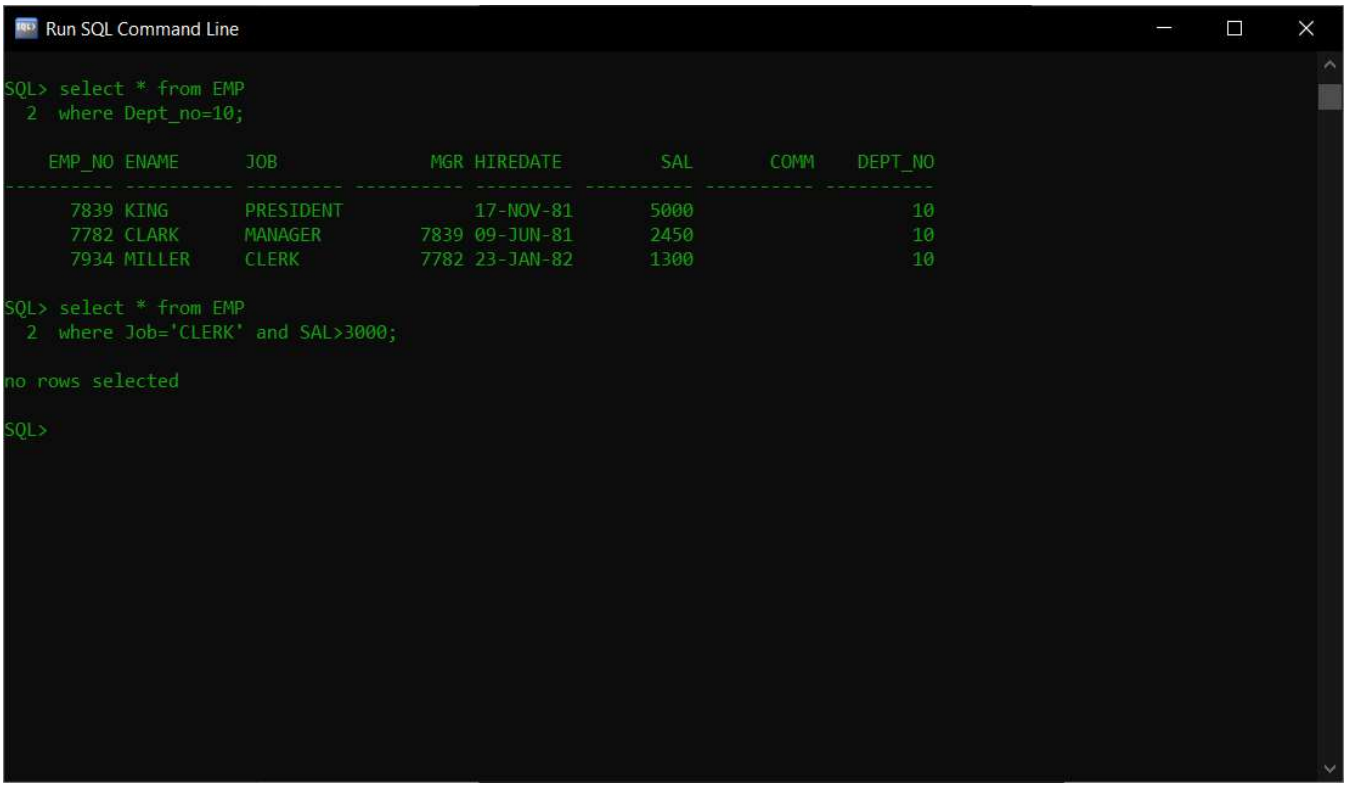
5) Display the details of all employees who are working as Manager.



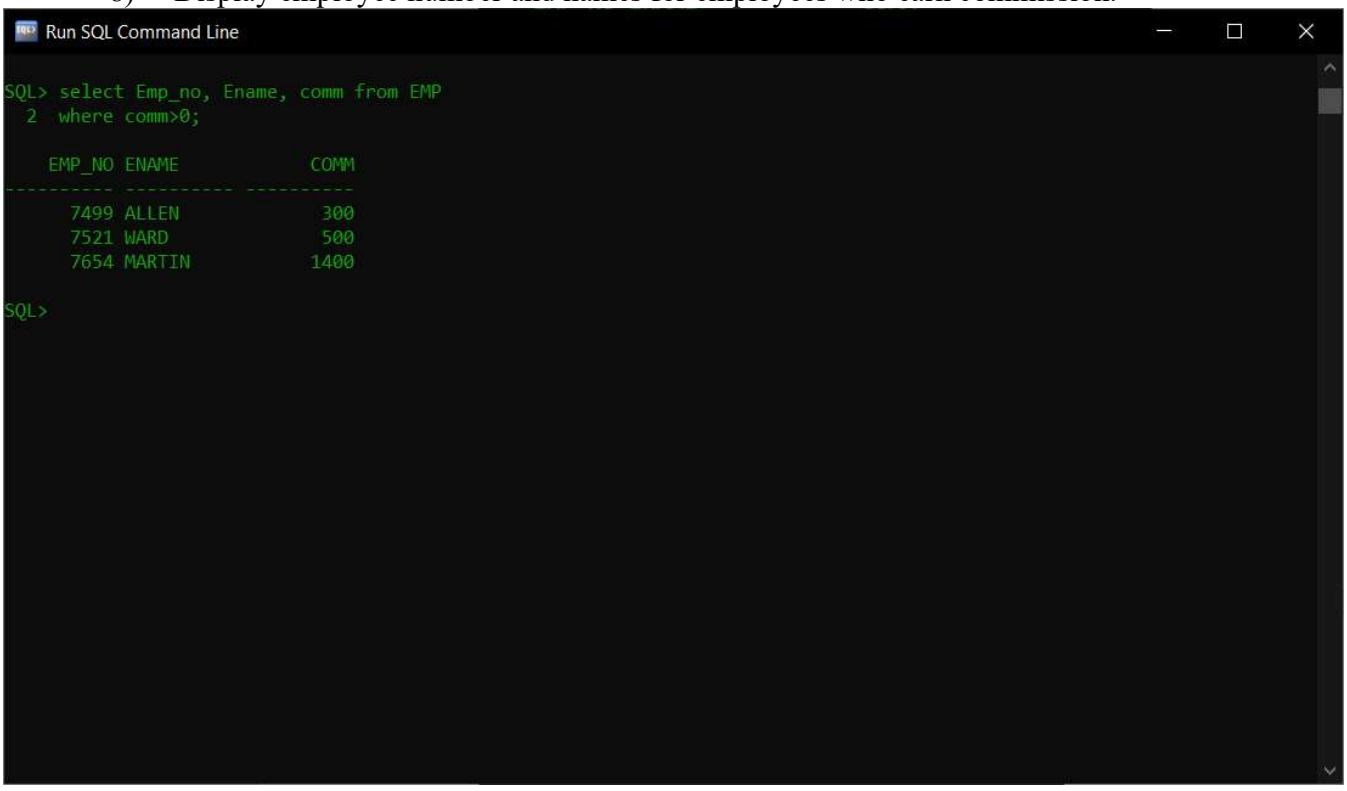
6) Display the names of all employees who are working in department number 10.


Run SQL Command Line
SQL> select * from EMP
2 where Dept_no=10;
EMP_NO ENAME JOB MGR HIREDATE SAL COMM DEPT_NO
7839 KING PRESIDENT 17-NOV-81 5000 10
7782 CLARK MANAGER 7839 09-JUN-81 2450 10
7934 MILLER CLERK 7782 23-JAN-82 1300 10
SQL>

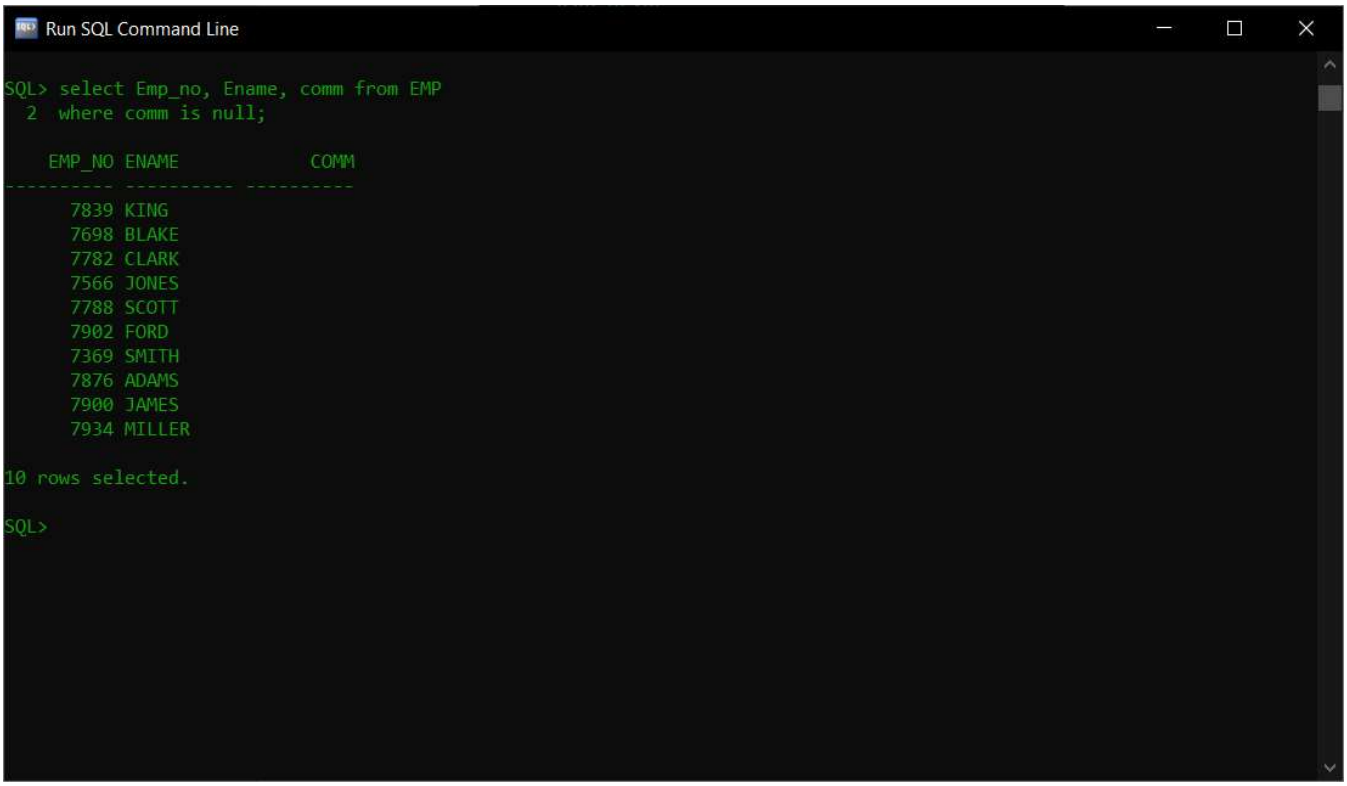
7) Display the names of all employees working as clerk and drawing a salary more than 3000.



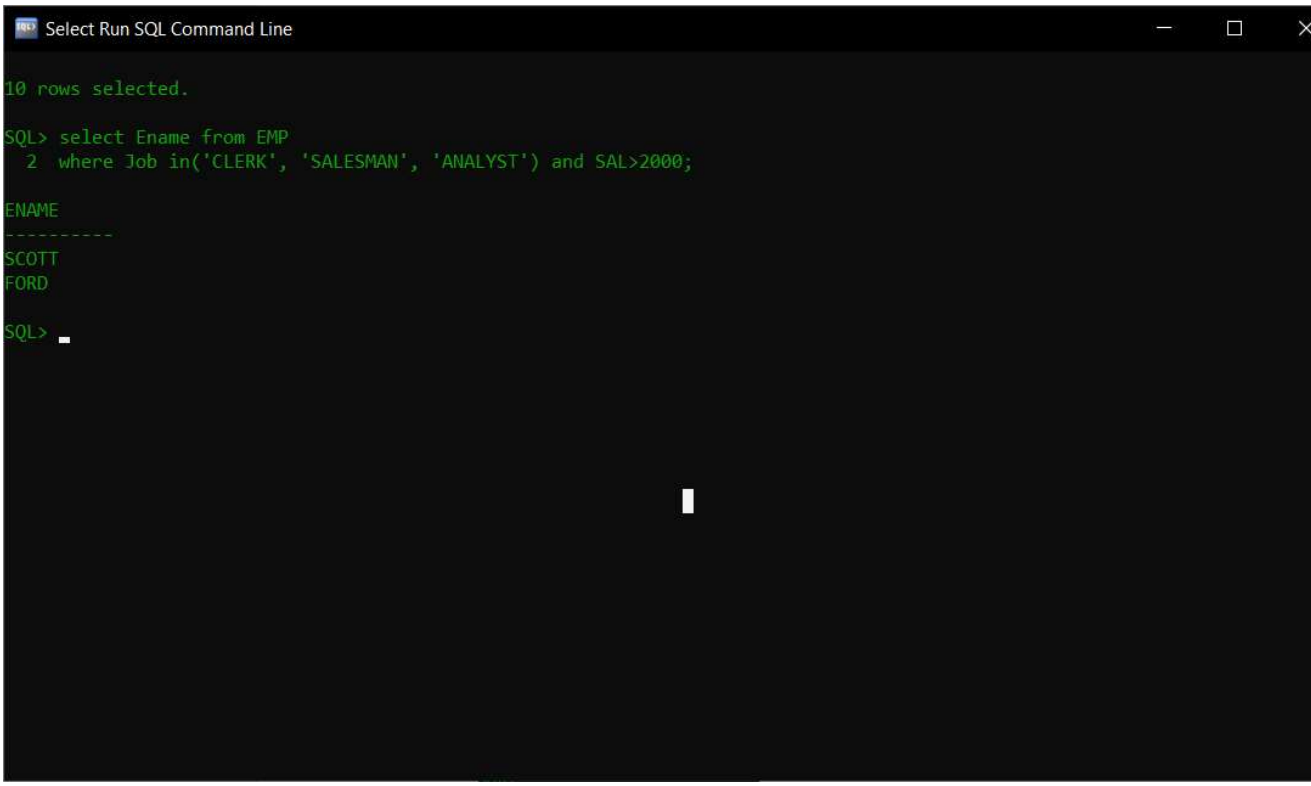
8) Display employee number and names for employees who earn commission.



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

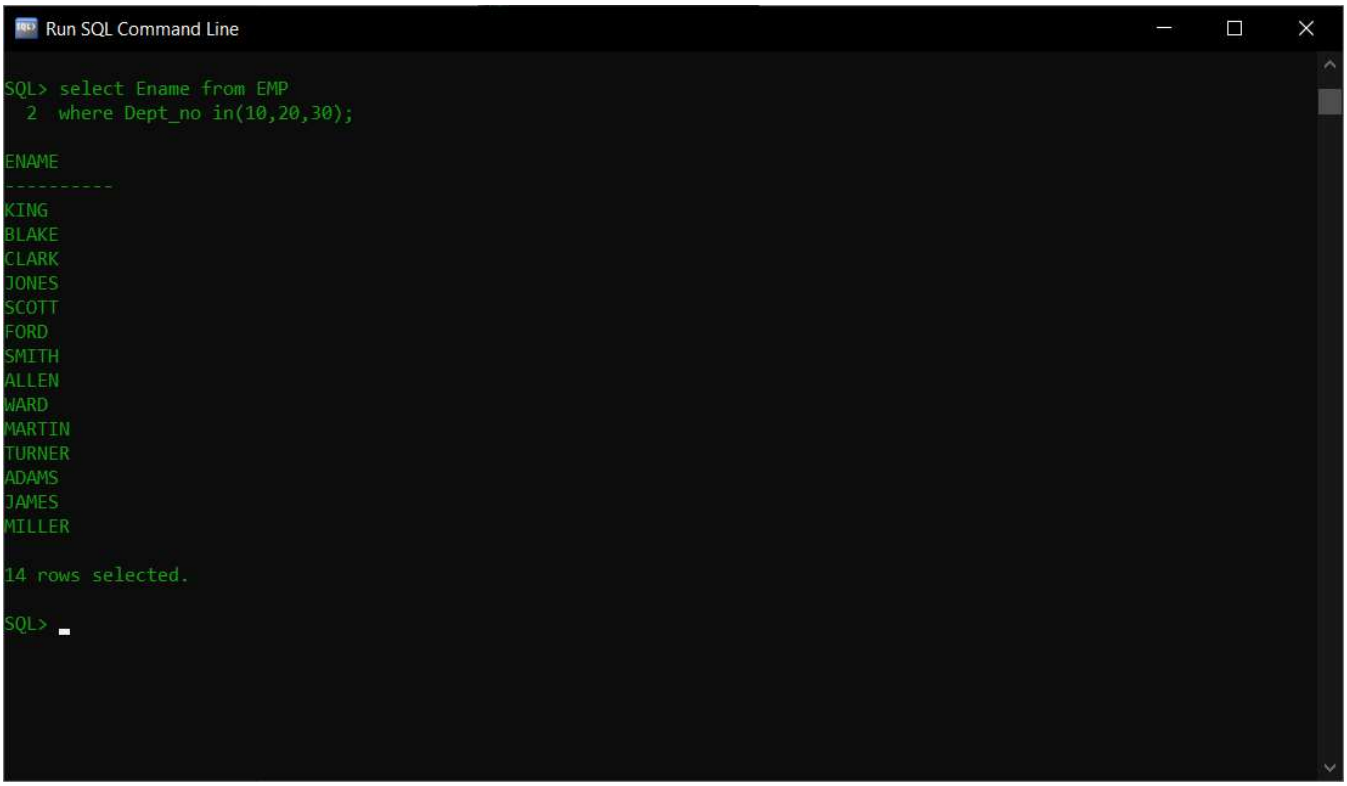

Run SQL Command Line
SQL> select Emp_no, Ename, comm from EMP
2 where comm is null;
EMP_NO ENAME COMM
7839 KING
7698 BLAKE
7782 CLARK
7566 JONES
7788 SCOTT
7902 FORD
7369 SMITH
7876 ADAMS
7900 JAMES
7934 MILLER
10 rows selected.
SQL>

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

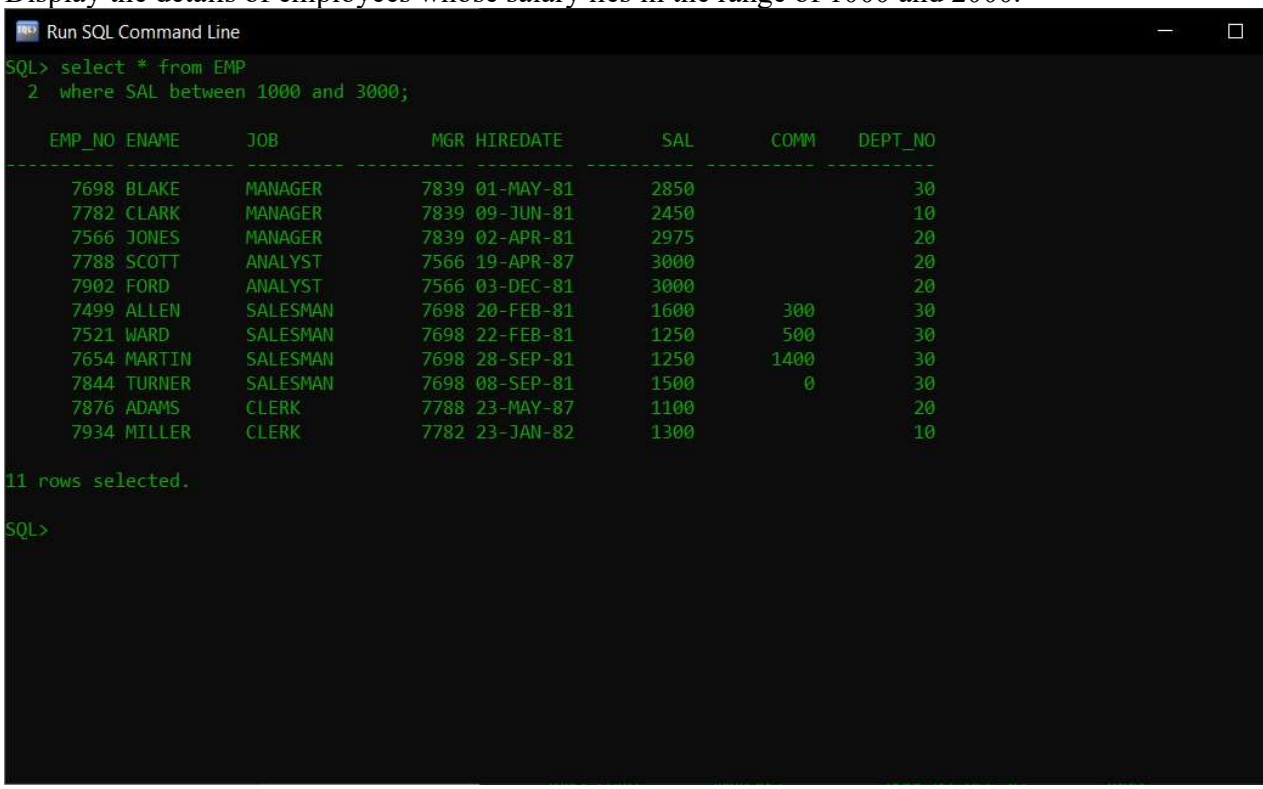


11) Display the names of employees who are working as clerk, salesman or analyst.

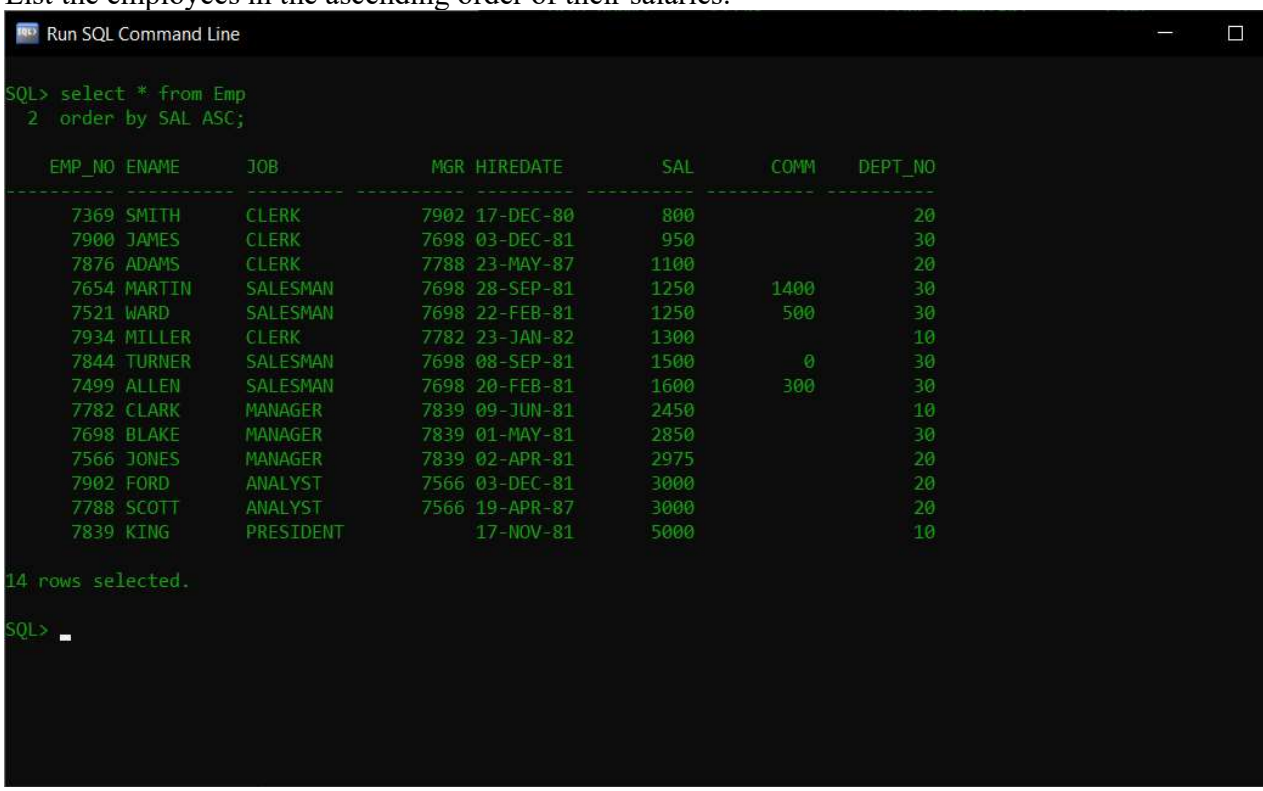
12) Display the names of employees working in department number 10 or 20 or 30.


Run SQL Command Line
SQL> select Ename from EMP
2 where Dept_no in(10,20,30);
ENAME
KING
BLAKE
CLARK
JONES
SCOTT
FORD
SMITH
ALLEN
WARD
MARTIN
TURNER
ADAMS
JAMES
MILLER
14 rows selected.
SQL>

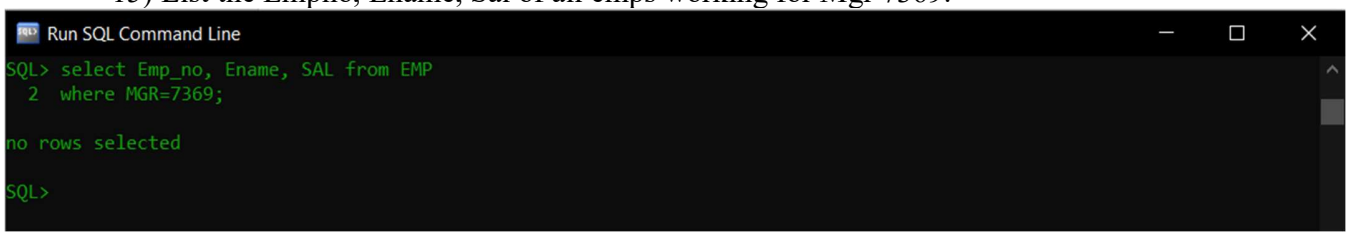
13) Display the details of employees whose salary lies in the range of 1000 and 2000.



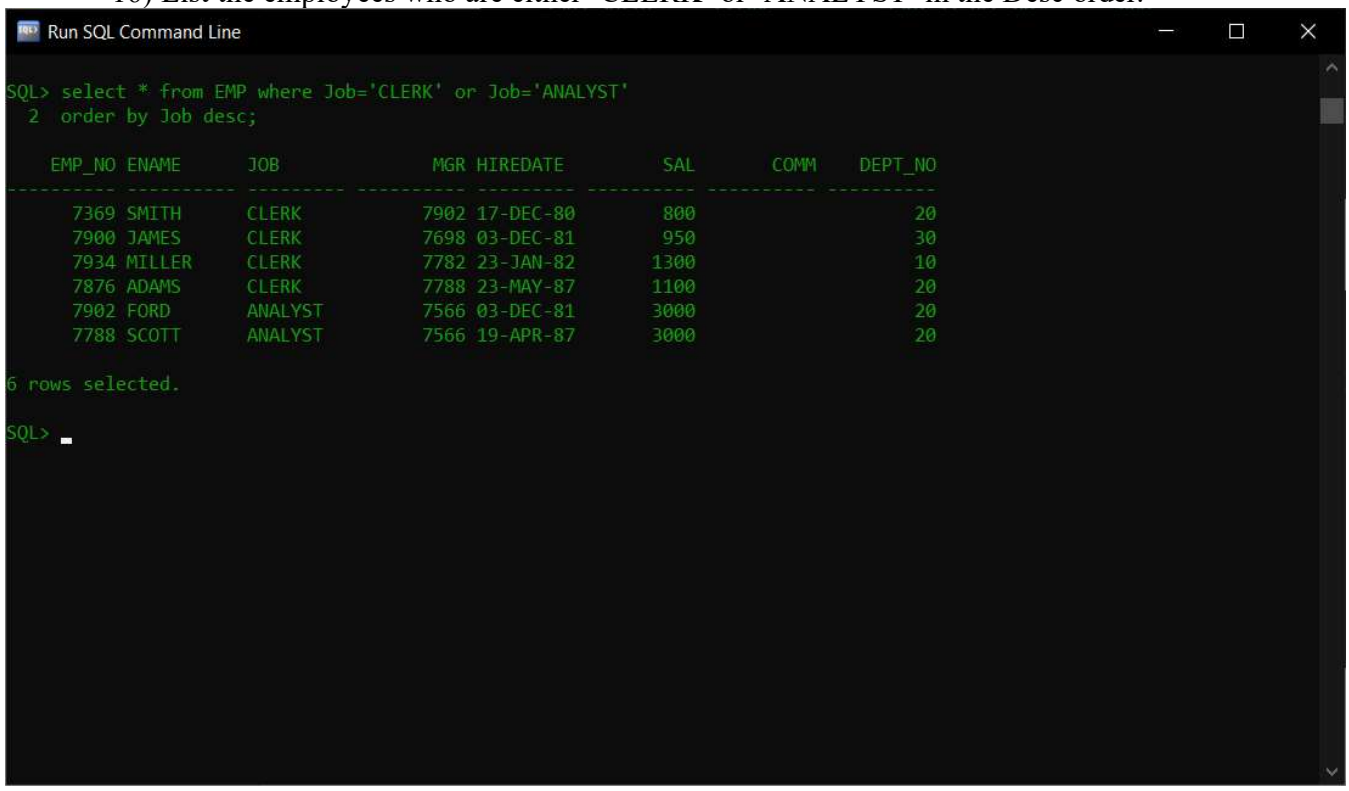
14) List the employees in the ascending order of their salaries.



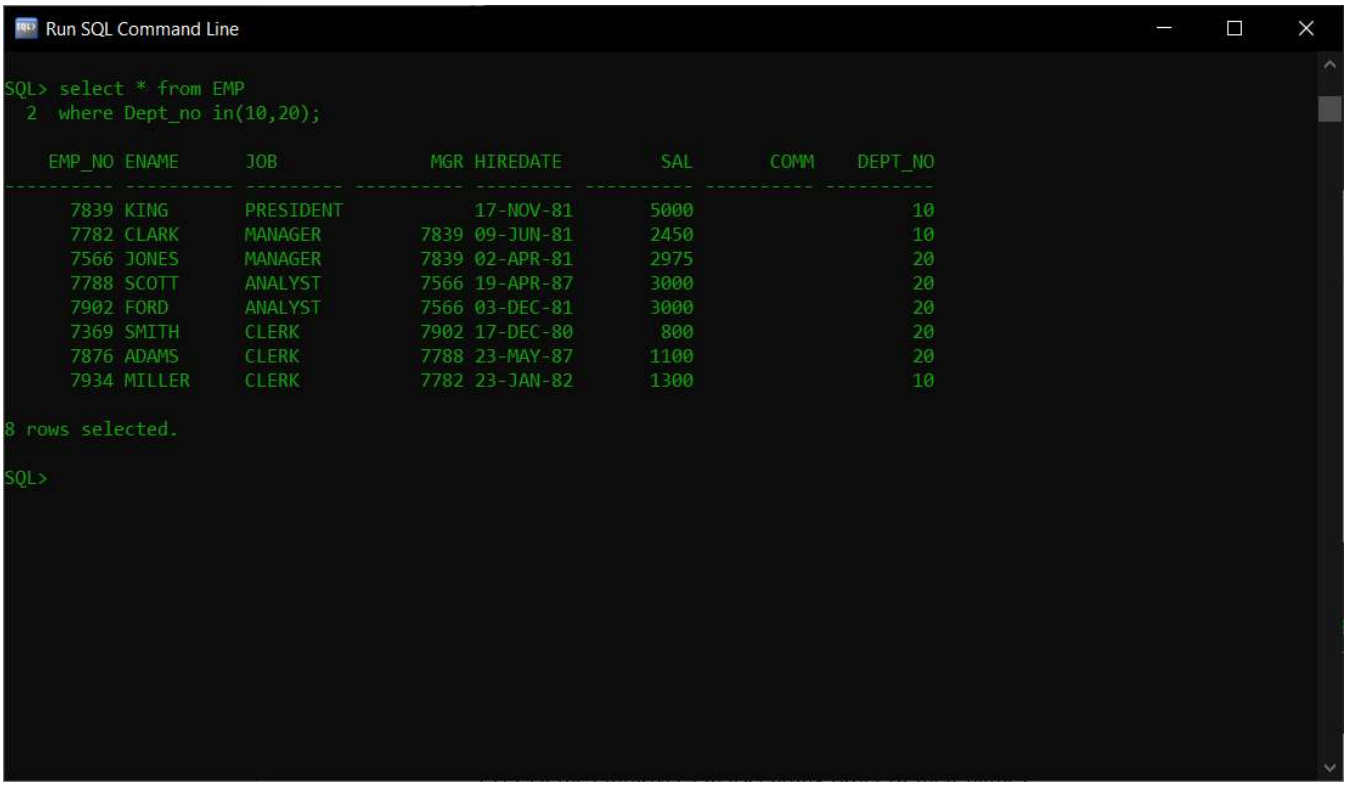
15) List the Empno, Ename, Sal of all emps working for Mgr 7369.



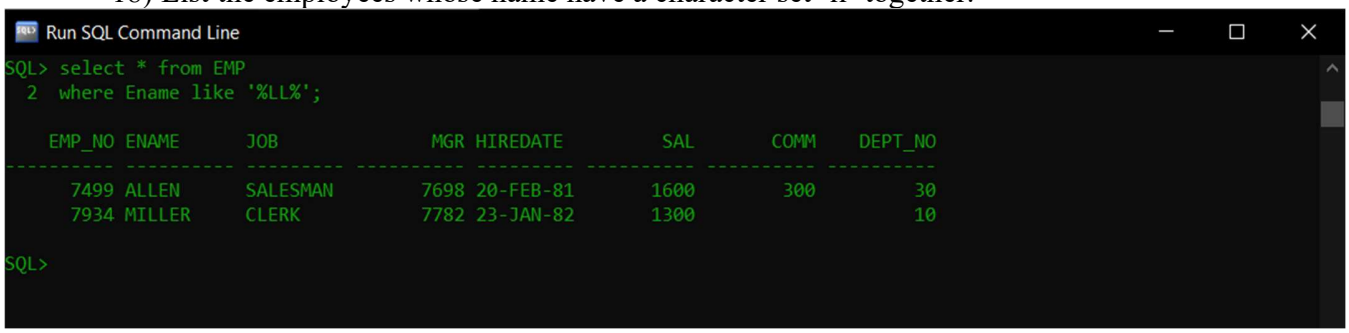
16) List the employees who are either 'CLERK' or 'ANALYST' in the Desc order.



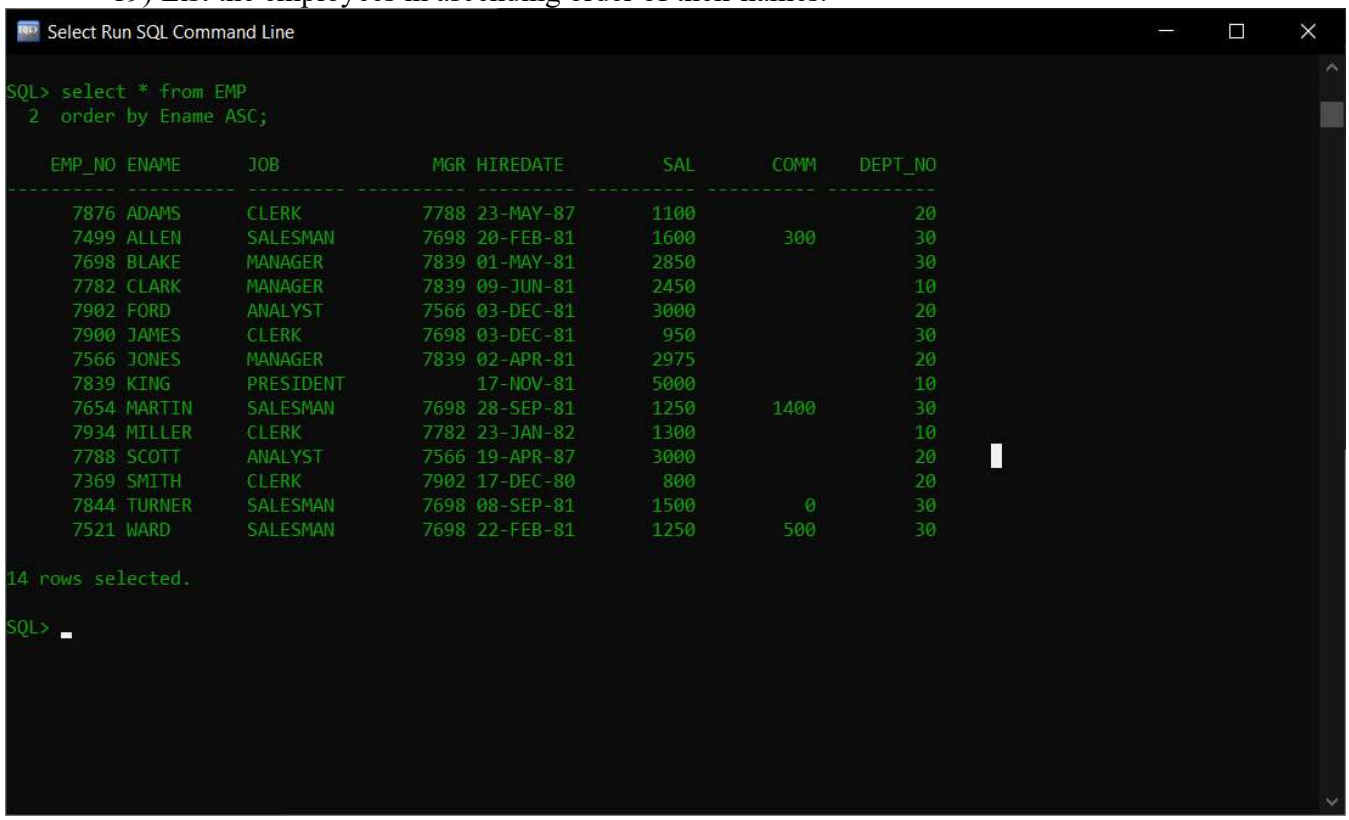
17) List the employees who are working in Deptno 10 or 20.


Run SQL Command Line
SQL> select * from EMP
2 where Dept_no in(10,20);
EMP_NO ENAME JOB MGR HIREDATE SAL COMM DEPT_NO
7839 KING PRESIDENT 17-NOV-81 5000 10
7782 CLARK MANAGER 7839 09-JUN-81 2450 10
7566 JONES MANAGER 7839 02-APR-81 2975 20
7788 SCOTT ANALYST 7566 19-APR-87 3000 20
7902 FORD ANALYST 7566 03-DEC-81 3000 20
7369 SMITH CLERK 7902 17-DEC-80 800 20
7876 ADAMS CLERK 7788 23-MAY-87 1100 20
7934 MILLER CLERK 7782 23-JAN-82 1300 10
8 rows selected.
SQL>

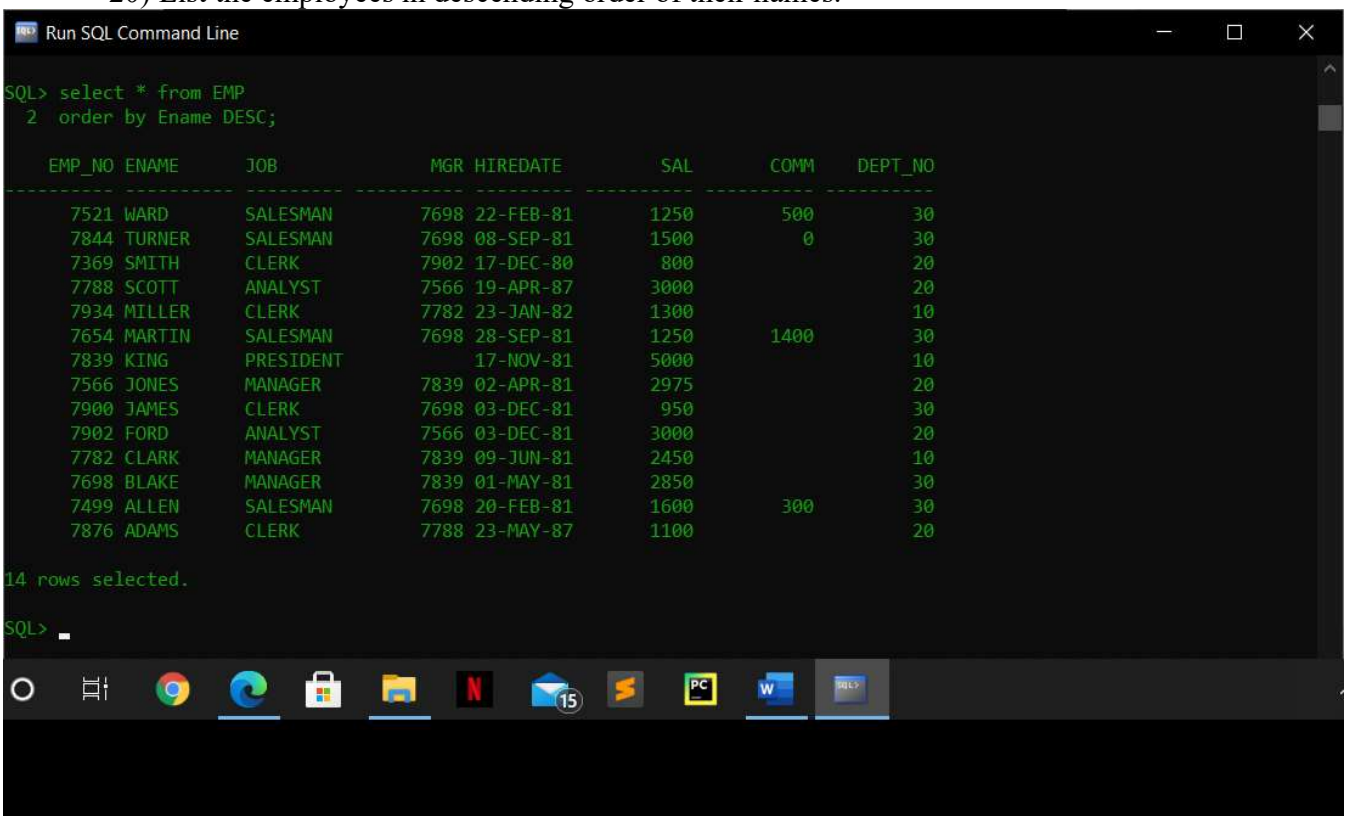
18) List the employees whose name have a character set ‘ll’ together.



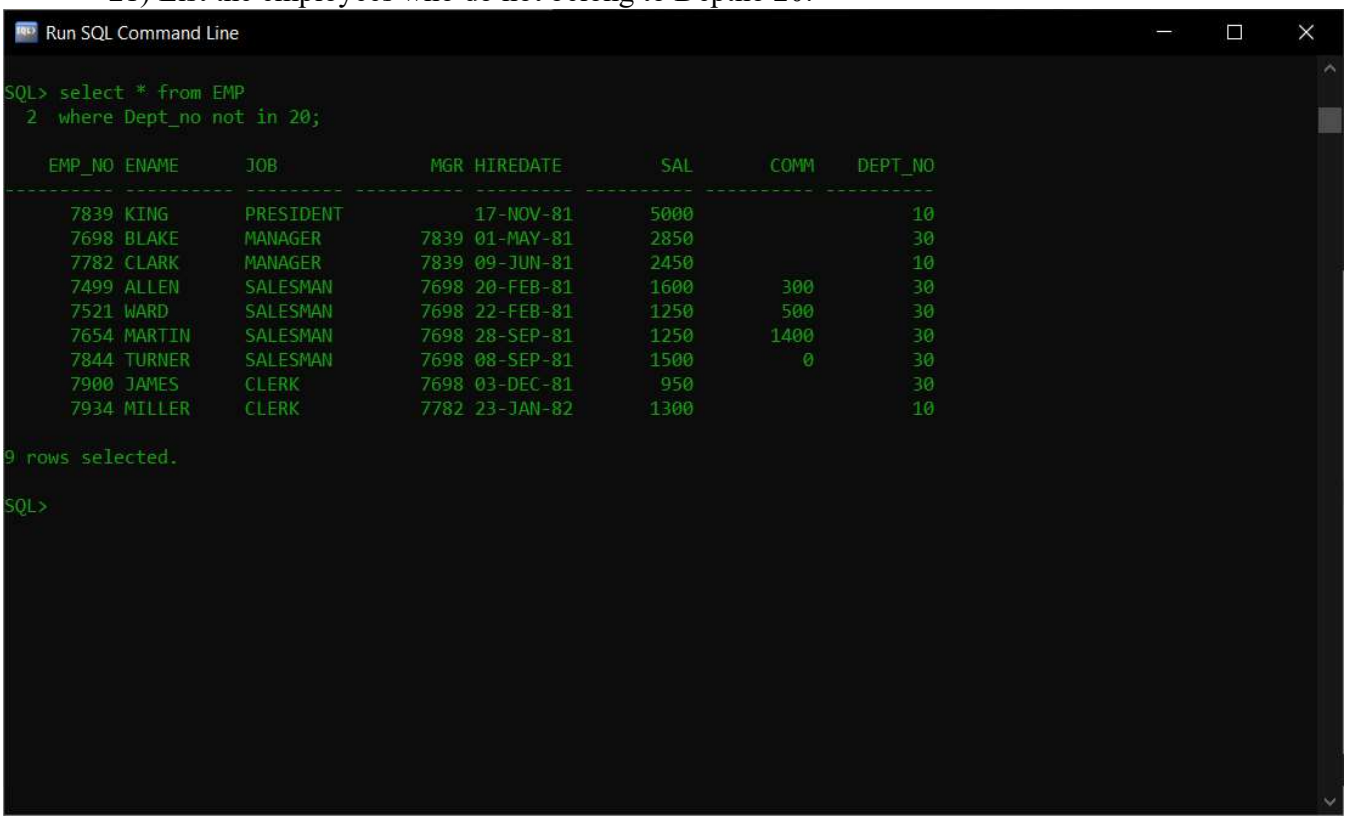
19) List the employees in ascending order of their names.



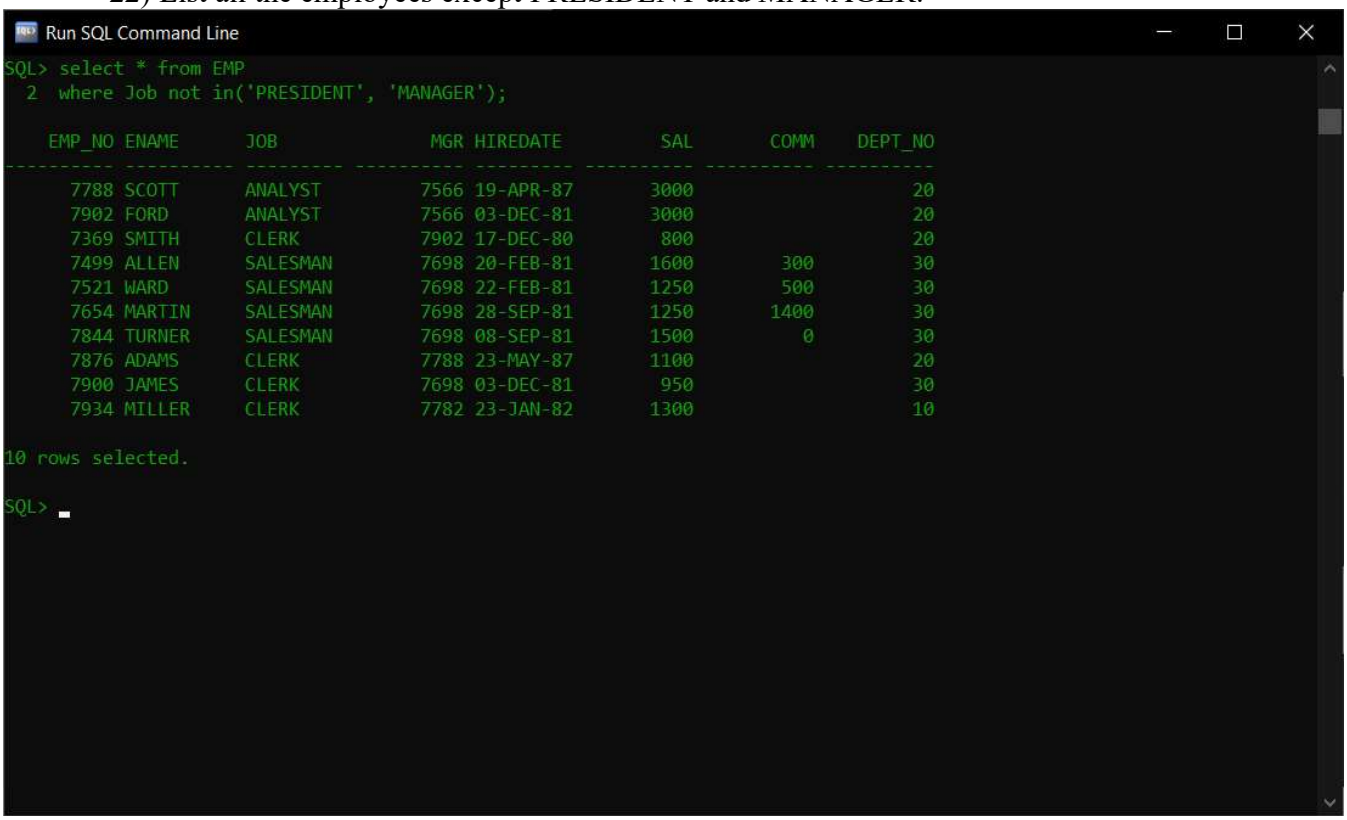
20) List the employees in descending order of their names.



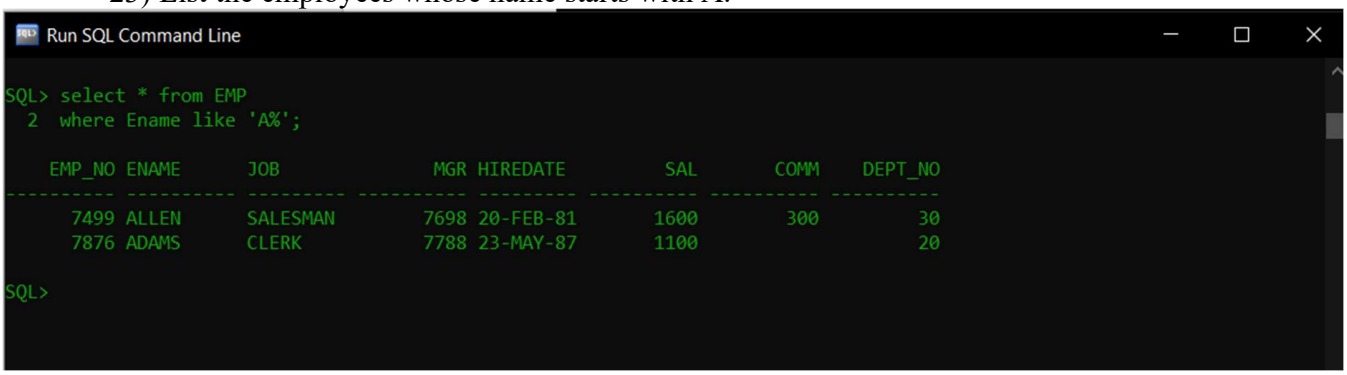
21) List the employees who do not belong to Deptno 20.



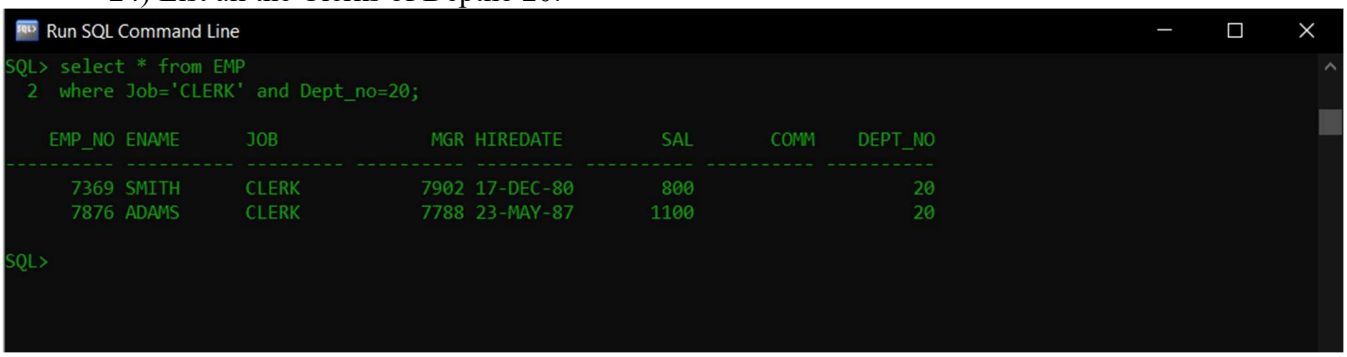
22) List all the employees except PRESIDENT and MANAGER.



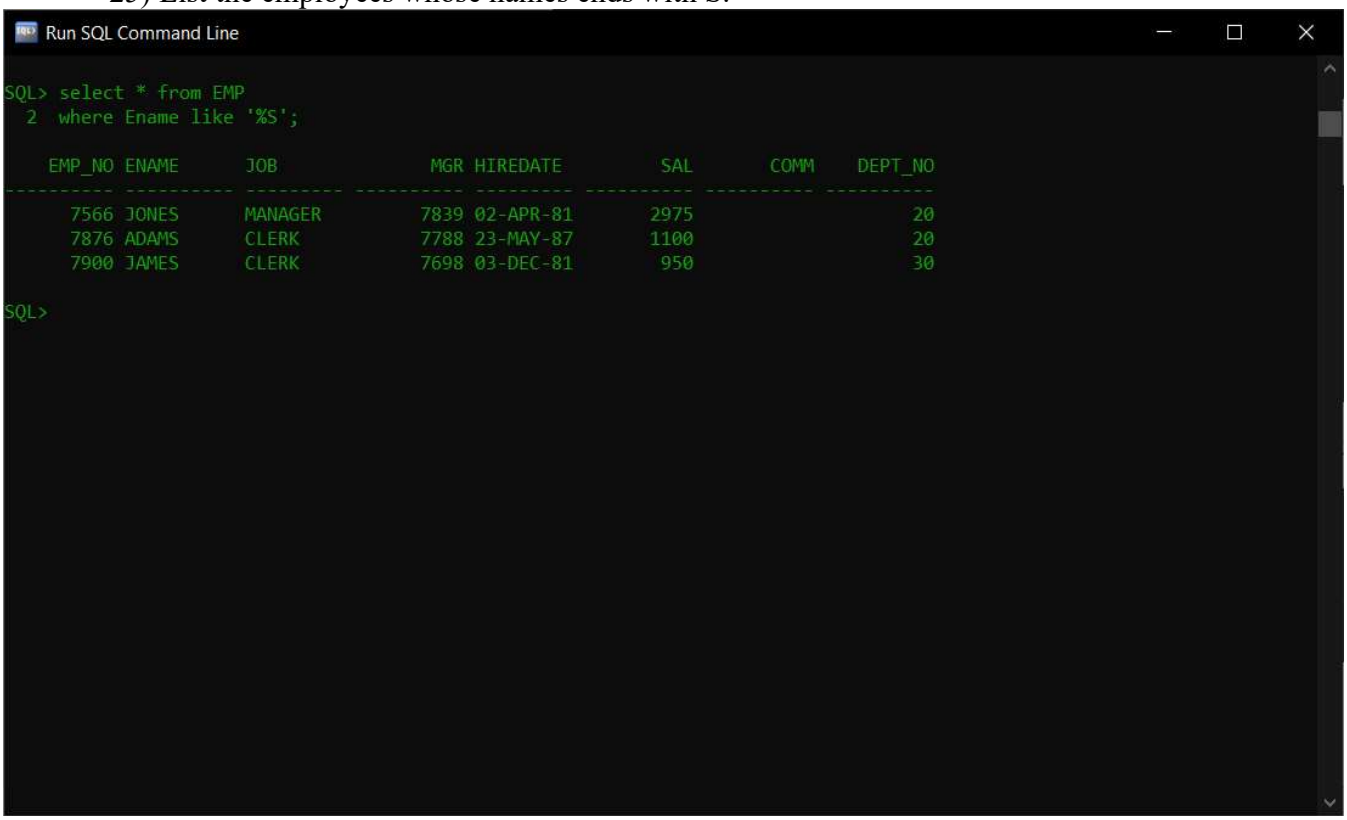
23) List the employees whose name starts with A.



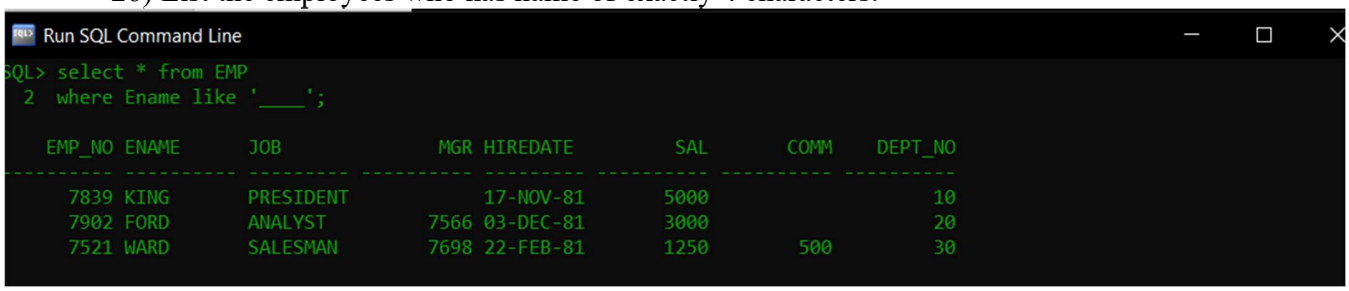
24) List all the Clerks of Deptno 20.



25) List the employees whose names ends with S.



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



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

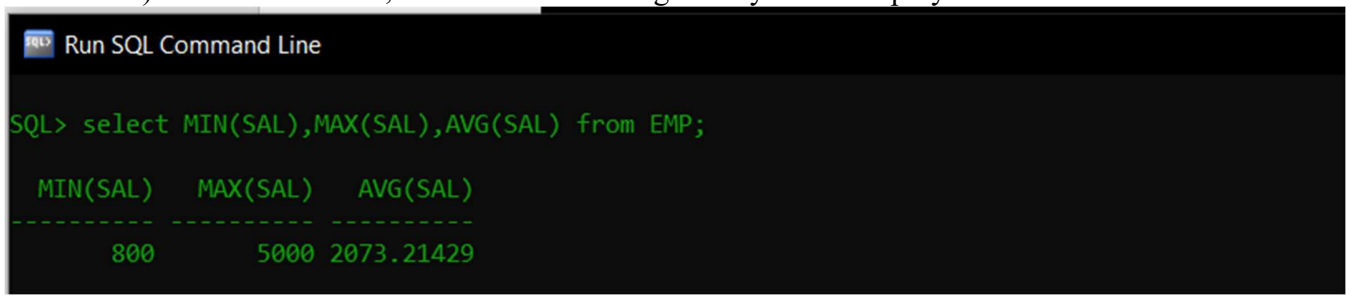
28) List the total salary of employees working as ANALYST.

Run SQL Command Line

```
SQL> select sum(SAL)
  2  from EMP
  3  where Job='ANALYST';

  SUM(SAL)
----------
      6000
```

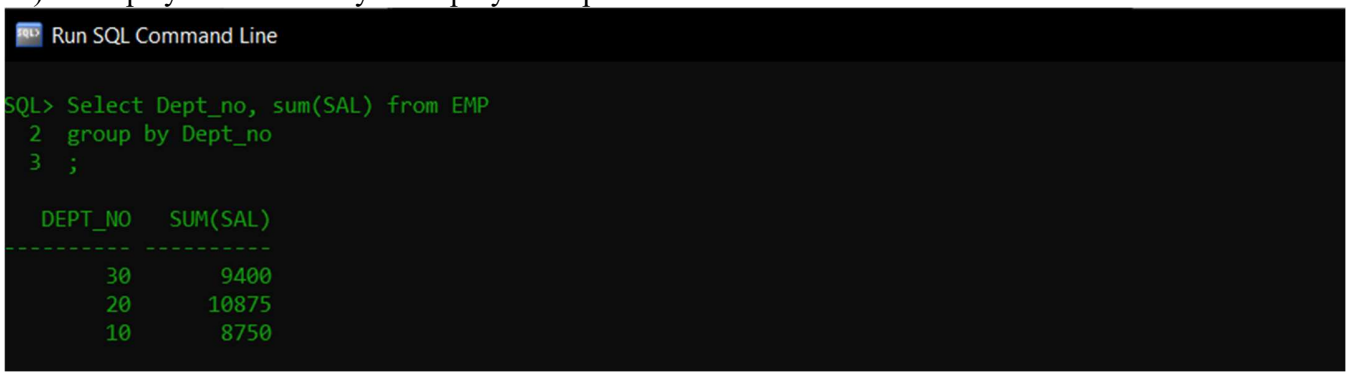
29) List the minimum, maximum and average salary of the employees.



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

Answer the following queries:

1) Display the total salary of employees department wise.



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

Run SQL Command Line

```
SQL> select Job,sum(SAL)
  2  from EMP
  3  group by Job order by Job ASC;

JOB         SUM(SAL)
--------- ----------
ANALYST         6000
CLERK           4150
MANAGER         8275
PRESIDENT       5000
SALESMAN        5600
```

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

Run SQL Command Line

```
SQL> select Job,count(*)
  2  from EMP
  3  group by Job;

JOB         COUNT(*)
--------- ----------
CLERK               4
SALESMAN            4
PRESIDENT           1
MANAGER             3
ANALYST             2
```

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

Run SQL Command Line

```
SQL> select Dept_no,count(*)
  2  from EMP
  3  group by Dept_no;

   DEPT_NO   COUNT(*)
---------- ----------
        30          6
        20          5
        10          3
```

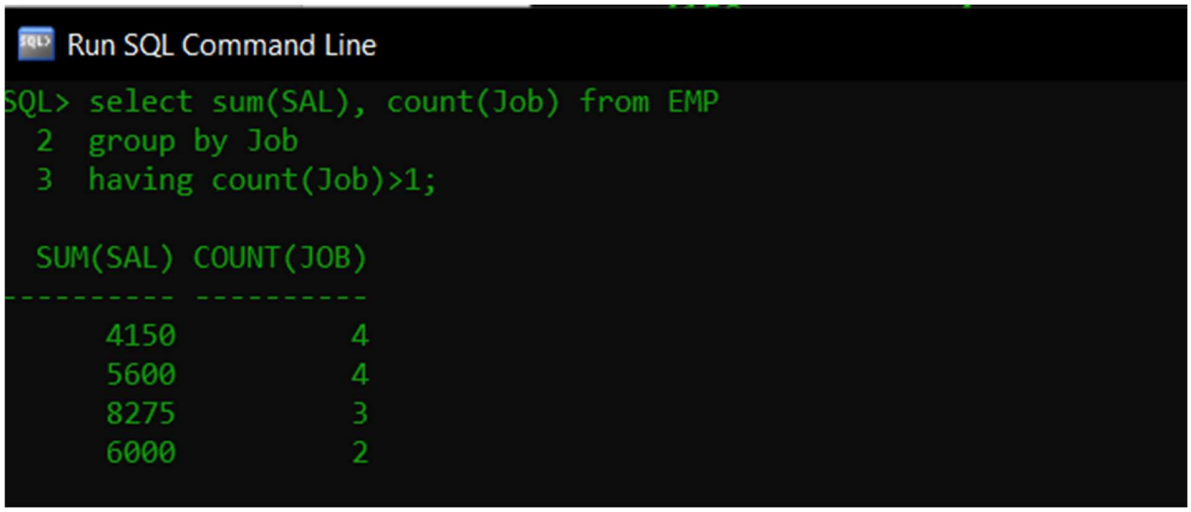
5) Display the total salary of employees specific to job and department in ascending order of job.

Run SQL Command Line

```
SQL> select Job,Dept_no, sum(SAL)
  2  from EMP
  3  group by Job,Dept_no
  4  order by Job;

JOB          DEPT_NO   SUM(SAL)
--------- ---------- ----------
ANALYST            20       6000
CLERK              10       1300
CLERK              20       1900
CLERK              30        950
MANAGER            10       2450
MANAGER            20       2975
MANAGER            30       2850
PRESIDENT          10       5000
SALESMAN           30       5600
```

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



7) Display unique jobs of employees.