Roll No- 220350320054
Full Name- Rashmi Sunil Khandekar
PG-DAC March 2022
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ASSIGNMENT 1

Que 1 - Select all information from Salgrade table.

```
Select SQL Plus                                                                                          — ☐ ✕
SQL> select * from emp;

    EMPNO ENAME      JOB             MGR HIREDATE        SAL       COMM     DEPTNO
---------- ---------- --------- ---------- --------- ---------- ---------- ----------
      7369 SMITH      CLERK          7902 17-DEC-80        800                    20
      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       7698 28-SEP-81       1250       1400         30
      7698 BLAKE      MANAGER        7839 01-MAY-81       2850                    30
      7782 CLARK      MANAGER        7839 09-JUN-81       2450                    10
      7788 SCOTT      ANALYST        7566 19-APR-87       3000                    20
      7839 KING       PRESIDENT           17-NOV-81       5000                    10
      7844 TURNER     SALESMAN       7698 08-SEP-81       1500          0         30
      7876 ADAMS      CLERK          7788 23-MAY-87       1100                    20
      7900 JAMES      CLERK          7698 03-DEC-81        950                    30
      7902 FORD       ANALYST        7566 03-DEC-81       3000                    20
      7934 MILLER     CLERK          7782 23-JAN-82       1300                    10

14 rows selected.

SQL> select * from salgrade;

     GRADE      LOSAL      HISAL
---------- ---------- ----------
         1        700       1200
         3       1401       2000
         4       2001       3000
         5       3001       9999
```
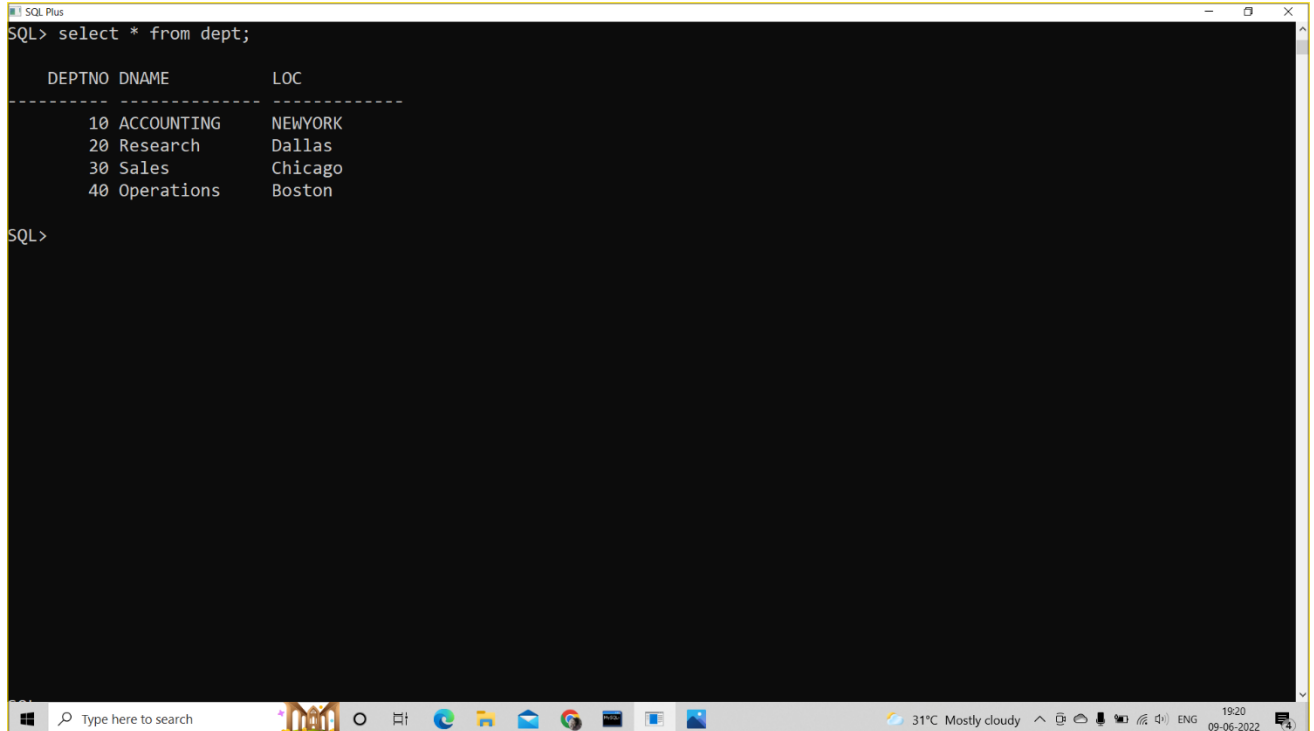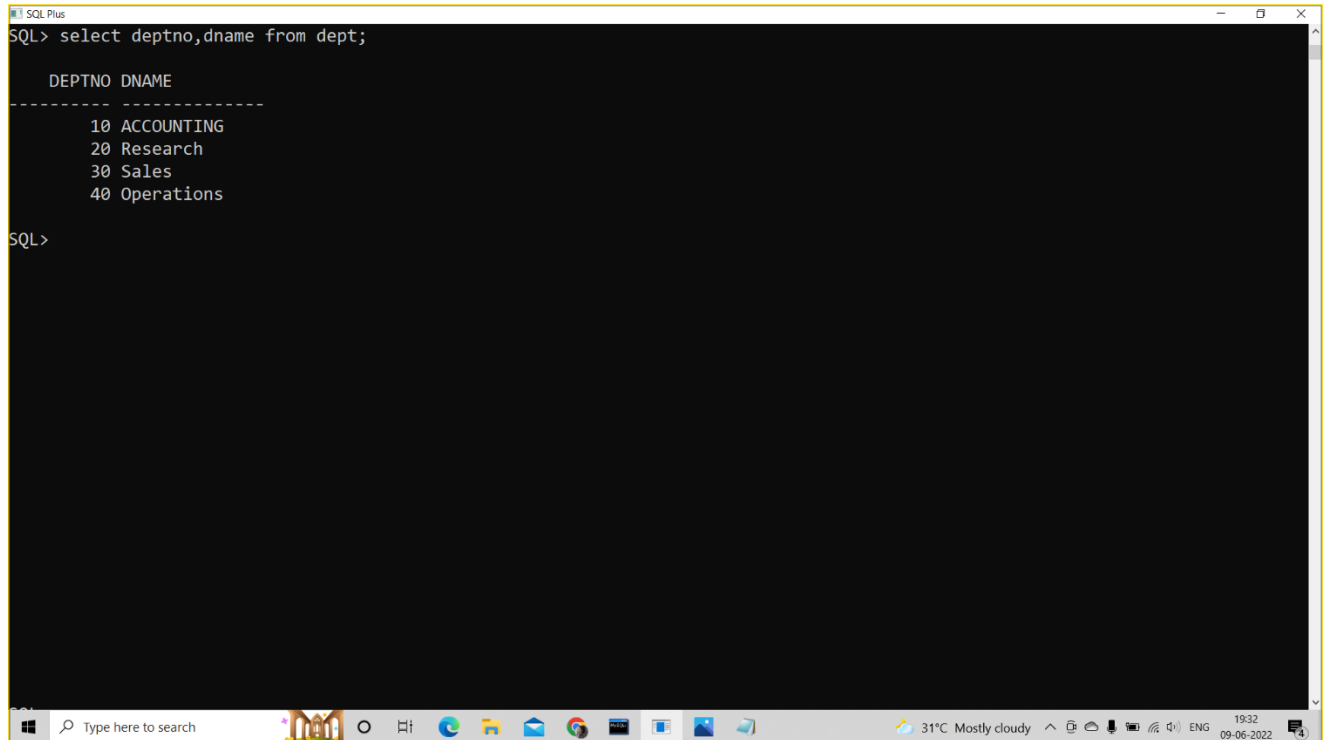
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Full Name- Rashmi Sunil Khandekar
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Que2- Select all information from emp table.

```
Select SQL Plus                                                                                          —  ☐  ✕
SQL> select * from emp;

    EMPNO ENAME      JOB            MGR HIREDATE       SAL      COMM     DEPTNO
---------- ---------- --------- ---------- --------- ---------- ---------- ----------
      7369 SMITH      CLERK         7902 17-DEC-80       800                    20
      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      7698 28-SEP-81      1250      1400          30
      7698 BLAKE      MANAGER       7839 01-MAY-81      2850                    30
      7782 CLARK      MANAGER       7839 09-JUN-81      2450                    10
      7788 SCOTT      ANALYST       7566 19-APR-87      3000                    20
      7839 KING       PRESIDENT          17-NOV-81      5000                    10
      7844 TURNER     SALESMAN      7698 08-SEP-81      1500         0          30
      7876 ADAMS      CLERK         7788 23-MAY-87      1100                    20
      7900 JAMES      CLERK         7698 03-DEC-81       950                    30
      7902 FORD       ANALYST       7566 03-DEC-81      3000                    20
      7934 MILLER     CLERK         7782 23-JAN-82      1300                    10

14 rows selected.

SQL> select * from salgrade;

    GRADE      LOSAL      HISAL
---------- ---------- ----------
         1        700       1200
         3       1401       2000
         4       2001       3000
         5       3001       9999
```

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Que 3 - Select all information from dept table.

```
SQL Plus                                                                    —  □  ×
SQL> select * from dept;

    DEPTNO DNAME           LOC
---------- --------------- -------------
        10 ACCOUNTING      NEWYORK
        20 Research        Dallas
        30 Sales           Chicago
        40 Operations      Boston

SQL>
```
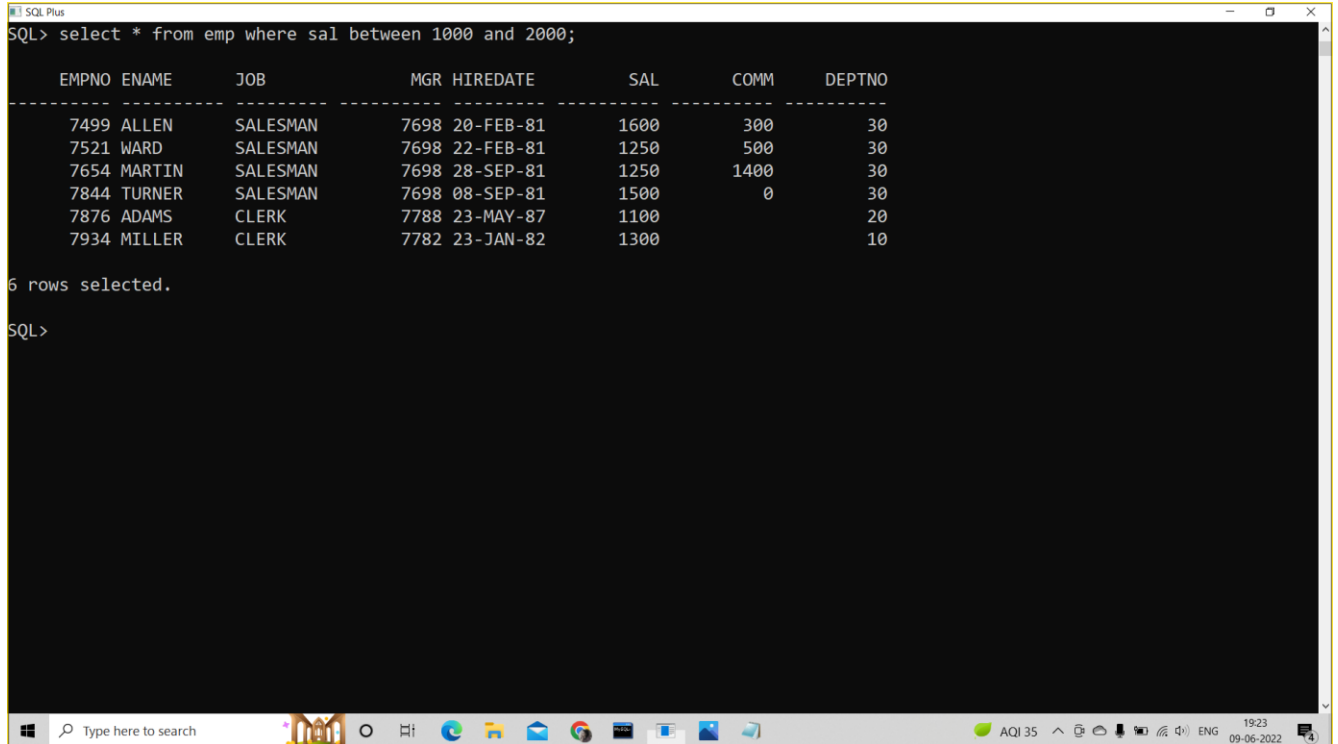
Que 4- List all employees who have a salary between 1000 and 2000.

```
SQL Plus                                                                    —  □  ×
SQL> select * from emp where sal between 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

6 rows selected.

SQL>
```
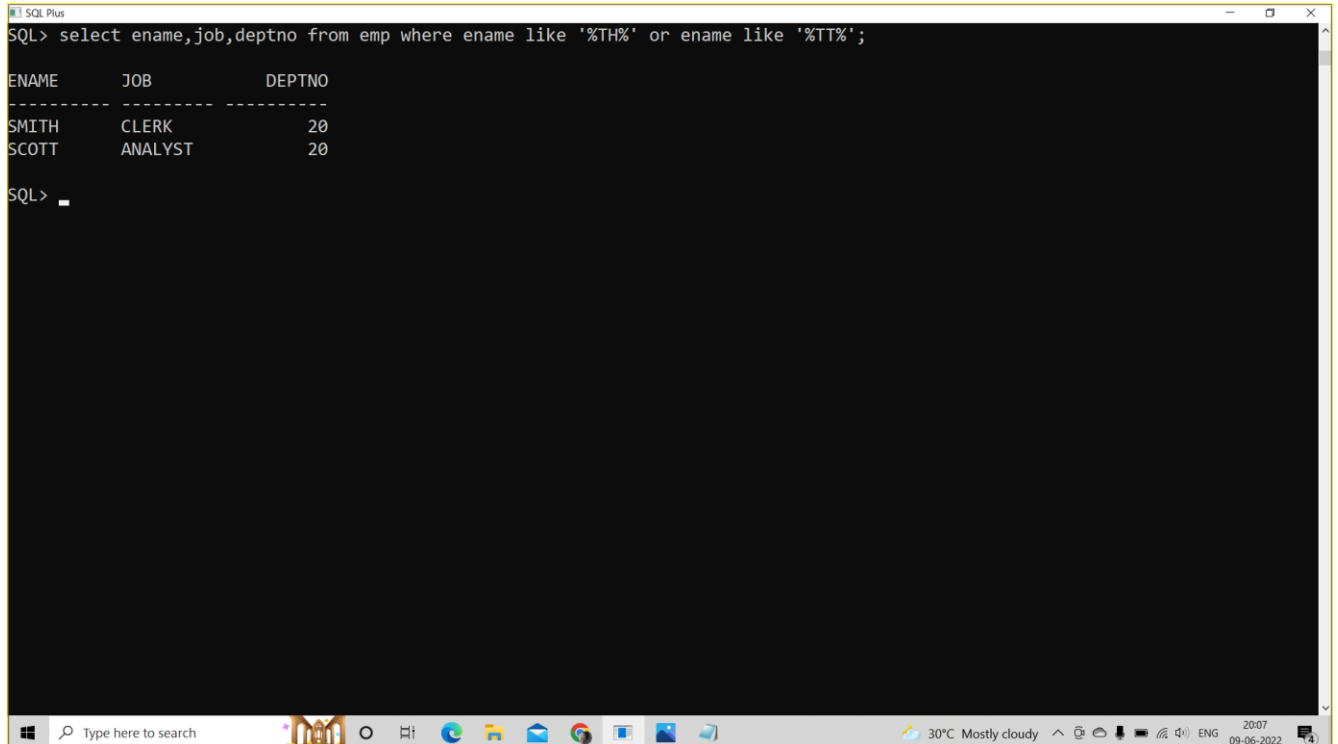
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Que 5 - List department numbers and names in department name order.

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Que 6 - Display all the different job types.


```
SQL> select distinct job from emp;

JOB
---------
CLERK
SALESMAN
MANAGER
ANALYST
PRESIDENT

SQL>
```
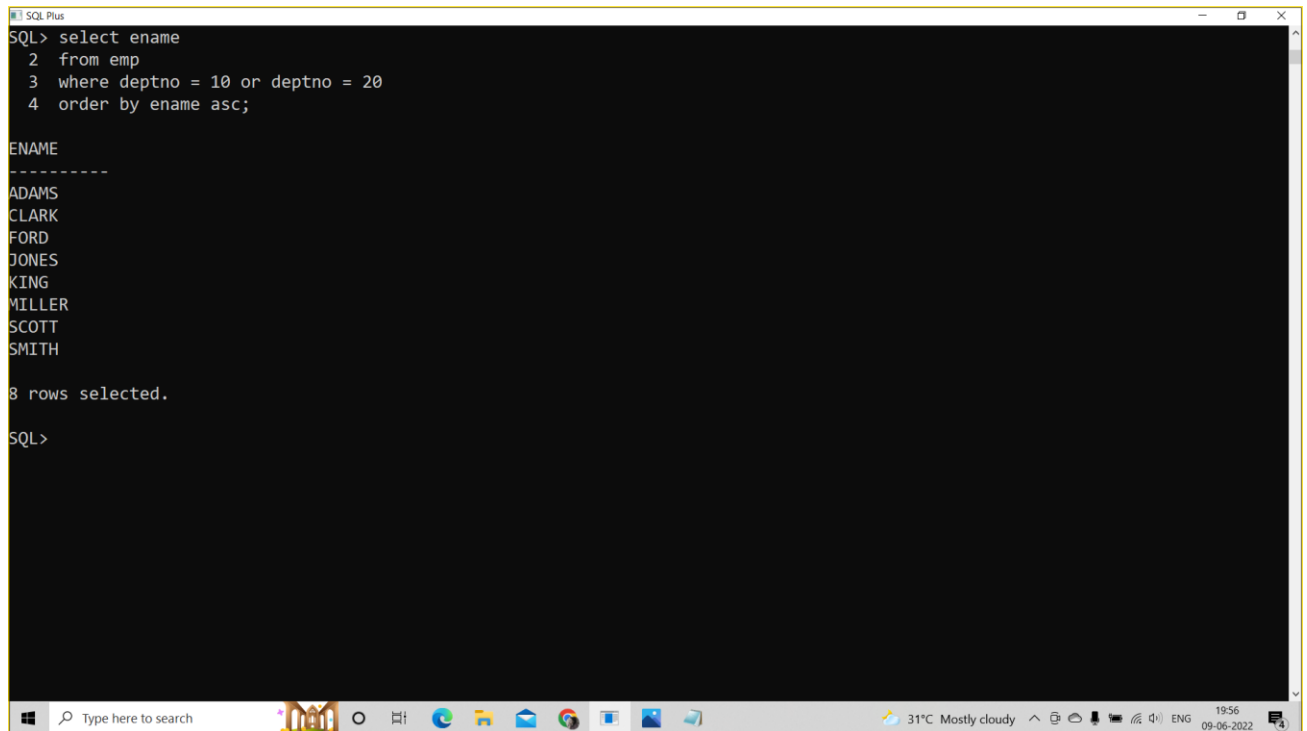
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Que 7 - List the details of the employees in departments 10 and 20 in alphabetical order of employee names.

```
SQL Plus                                                                    —  □  ×
SQL> select ename
  2  from emp
  3  where deptno = 10 or deptno = 20
  4  order by ename asc;

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

8 rows selected.

SQL>
```
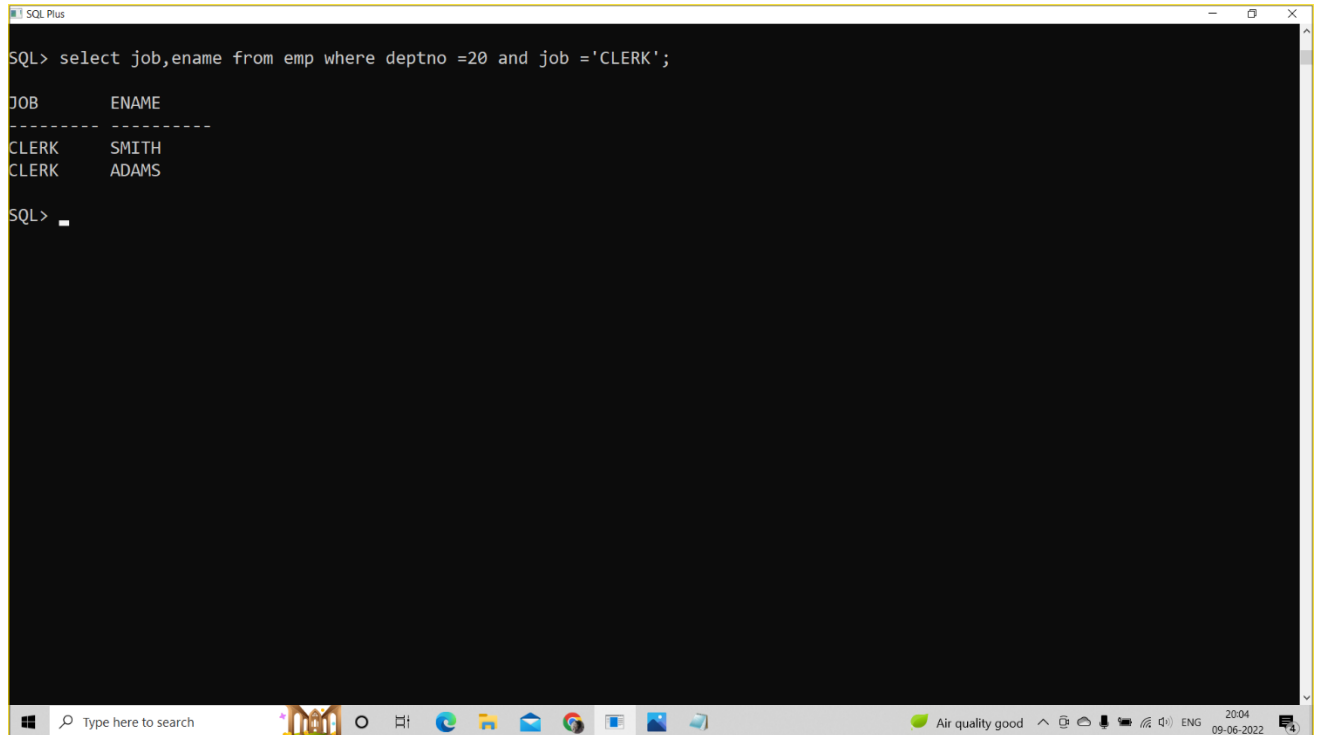
Que 8 - List names and jobs of all clerks in department 20.

Que 9 - Display all employee names which have TH or LL in them.

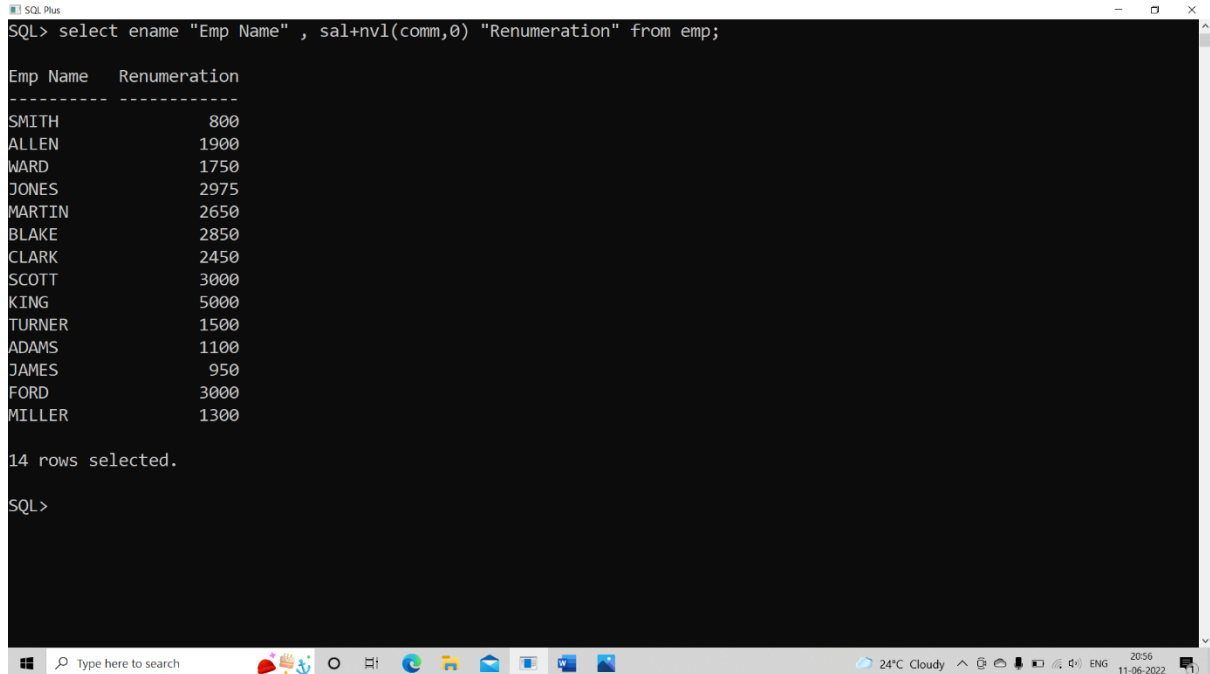**Que 10 -** List the details of the employees who have a manager.

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Que 11- Display the name and the total remuneration for all employees

```
SQL Plus                                                                    —  □  ×
SQL> select ename "Emp Name" , sal+nvl(comm,0) "Renumeration" from emp;

Emp Name   Renumeration
---------- -------------
SMITH               800
ALLEN              1900
WARD               1750
JONES              2975
MARTIN             2650
BLAKE              2850
CLARK              2450
SCOTT              3000
KING               5000
TURNER             1500
ADAMS              1100
JAMES               950
FORD               3000
MILLER             1300

14 rows selected.

SQL>
```
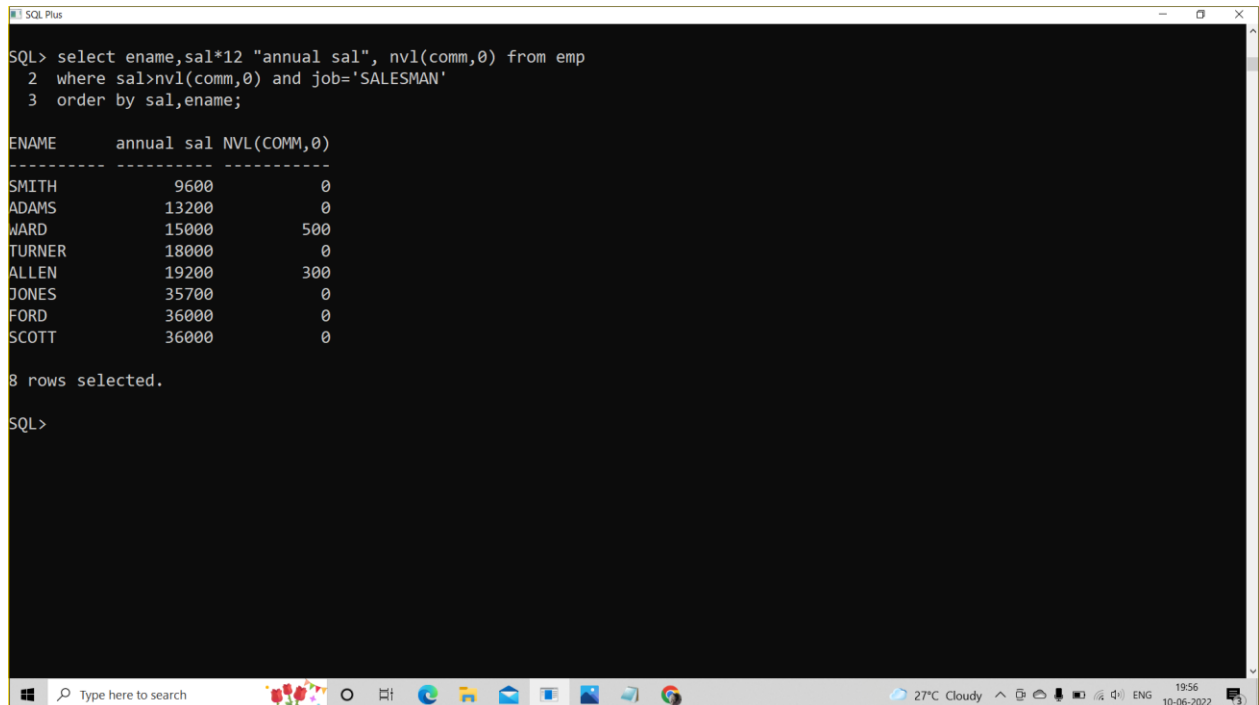
Que 12 - Display name, annual salary and commission of all sales people whose monthly salary is greater than their commission. The output should Ile ordered by salary highest first. If two or more employees have the same salary sort by employee name, within the highest salary order.
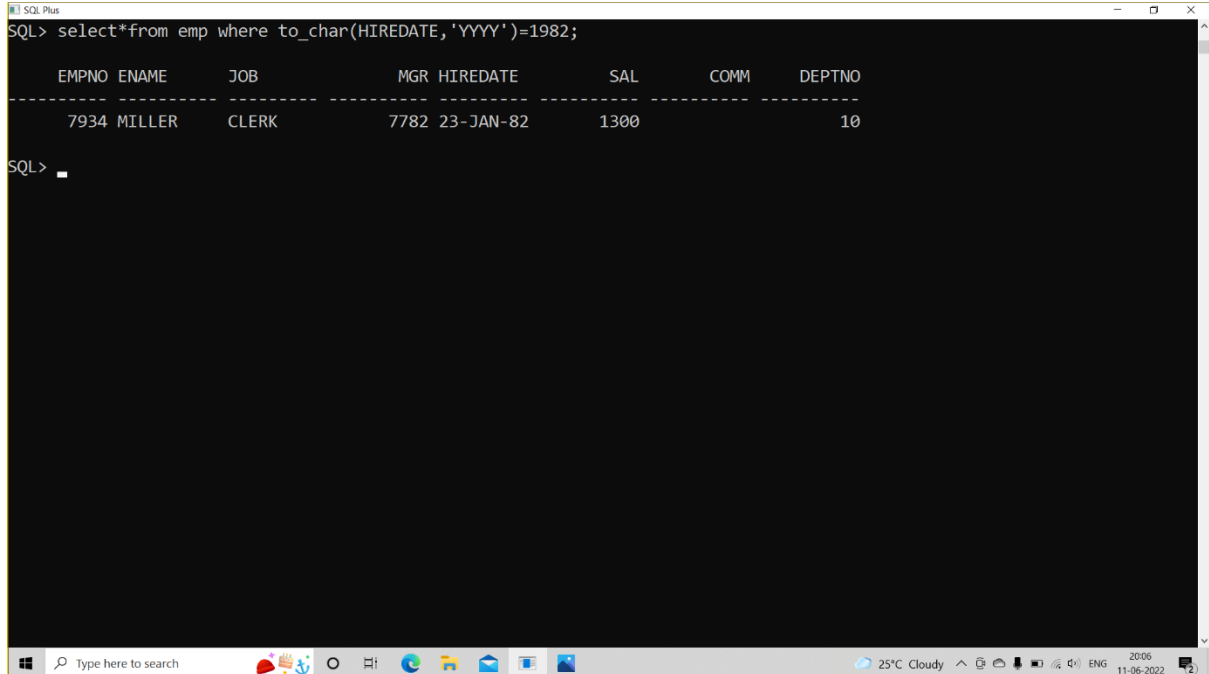
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Que 13 - Display all employees who were hired during 1982.
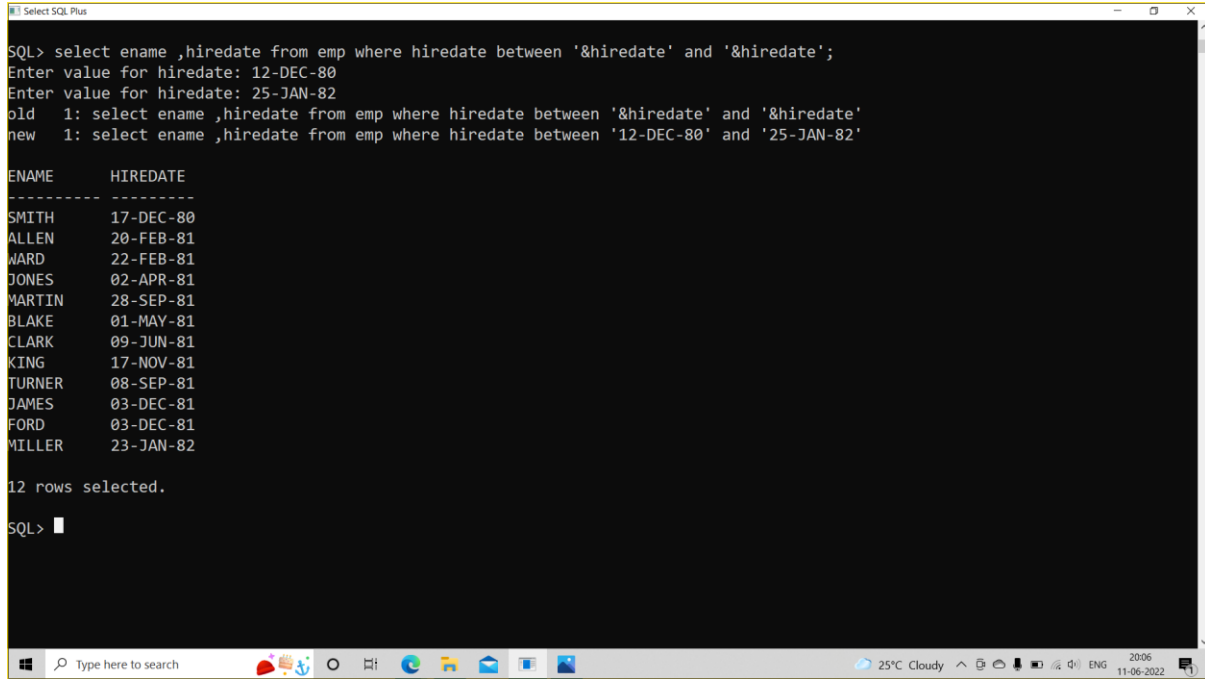
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Que 14 - Generate a statement, which prompts the user at runtime. The intention is to display employees hired between two given dates.

```
Select SQL Plus                                                                          —  □  ×

SQL> select ename ,hiredate from emp where hiredate between '&hiredate' and '&hiredate';
Enter value for hiredate: 12-DEC-80
Enter value for hiredate: 25-JAN-82
old   1: select ename ,hiredate from emp where hiredate between '&hiredate' and '&hiredate'
new   1: select ename ,hiredate from emp where hiredate between '12-DEC-80' and '25-JAN-82'

ENAME      HIREDATE
---------- ---------
SMITH      17-DEC-80
ALLEN      20-FEB-81
WARD       22-FEB-81
JONES      02-APR-81
MARTIN     28-SEP-81
BLAKE      01-MAY-81
CLARK      09-JUN-81
KING       17-NOV-81
TURNER     08-SEP-81
JAMES      03-DEC-81
FORD       03-DEC-81
MILLER     23-JAN-82

12 rows selected.

SQL>
```

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Que 15 - Define a variable representing the expression used to calculate an employee's total annual remuneration.Use this variable in a statement,which finds all employees who earn 30,000 a year or more.
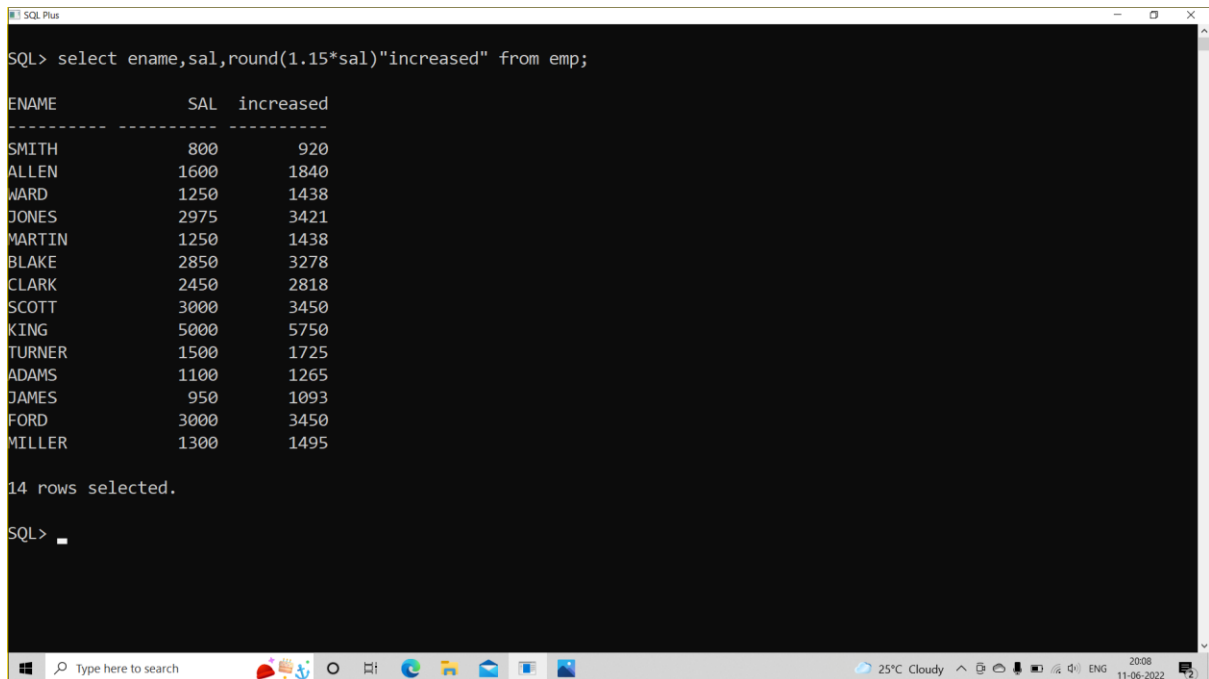
```
SQL> select * from emp where(sal+nvl(comm,0))*12 > 30000;

    EMPNO ENAME      JOB              MGR HIREDATE          SAL       COMM     DEPTNO
---------- ---------- --------- ---------- --------- ---------- ---------- ----------
      7566 JONES      MANAGER         7839 02-APR-81       2975                    20
      7654 MARTIN     SALESMAN        7698 28-SEP-81       1250       1400         30
      7698 BLAKE      MANAGER         7839 01-MAY-81       2850                    30
      7788 SCOTT      ANALYST         7566 19-APR-87       3000                    20
      7839 KING       PRESIDENT            17-NOV-81       5000                    10
      7902 FORD       ANALYST         7566 03-DEC-81       3000                    20

6 rows selected.

SQL>
```

Que 16 - List the employee names and their salaries increased by 15% and expressed as a whole number .

```
SQL Plus                                                                    —  □  ×

SQL> select ename,sal,round(1.15*sal)"increased" from emp;

ENAME           SAL  increased
---------- ---------- ----------
SMITH            800        920
ALLEN           1600       1840
WARD            1250       1438
JONES           2975       3421
MARTIN          1250       1438
BLAKE           2850       3278
CLARK           2450       2818
SCOTT           3000       3450
KING            5000       5750
TURNER          1500       1725
ADAMS           1100       1265
JAMES            950       1093
FORD            3000       3450
MILLER          1300       1495

14 rows selected.

SQL> _
```
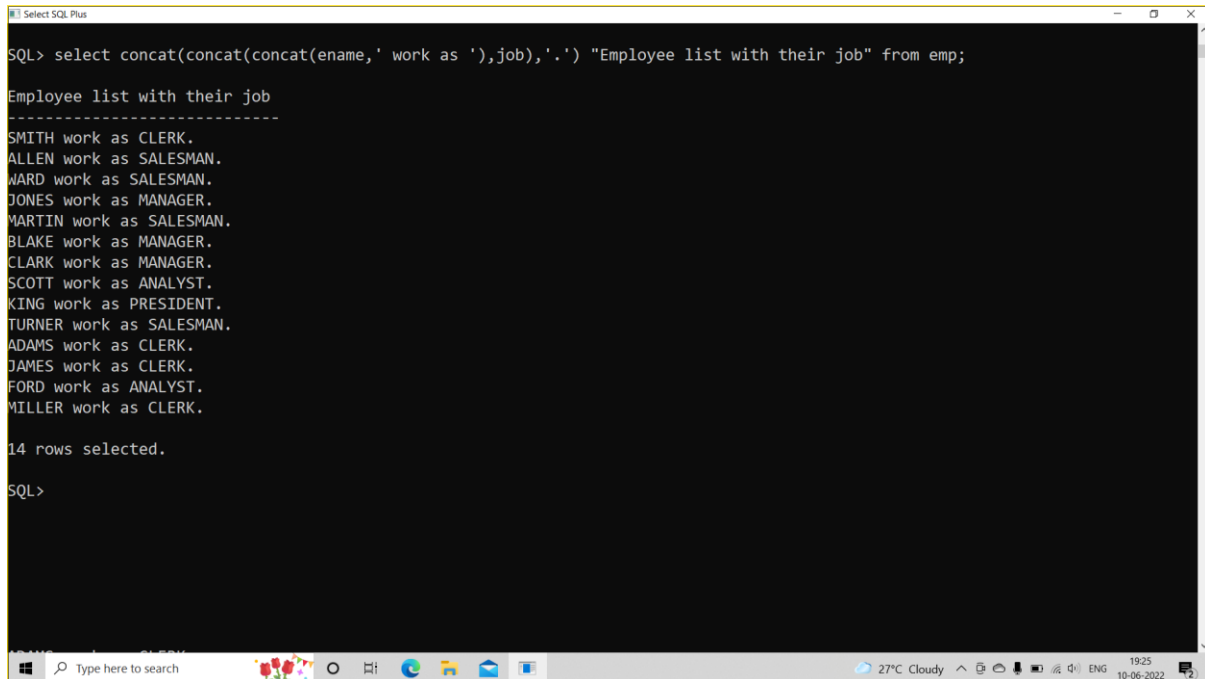
Que 17 - Display the employee name and job by concatenating them and give an appropriate heading.

```
SQL> select concat(concat(concat(ename,' work as '),job),'.') "Employee list with their job" from emp;

Employee list with their job
----------------------------
SMITH work as CLERK.
ALLEN work as SALESMAN.
WARD work as SALESMAN.
JONES work as MANAGER.
MARTIN work as SALESMAN.
BLAKE work as MANAGER.
CLARK work as MANAGER.
SCOTT work as ANALYST.
KING work as PRESIDENT.
TURNER work as SALESMAN.
ADAMS work as CLERK.
JAMES work as CLERK.
FORD work as ANALYST.
MILLER work as CLERK.

14 rows selected.

SQL>
```
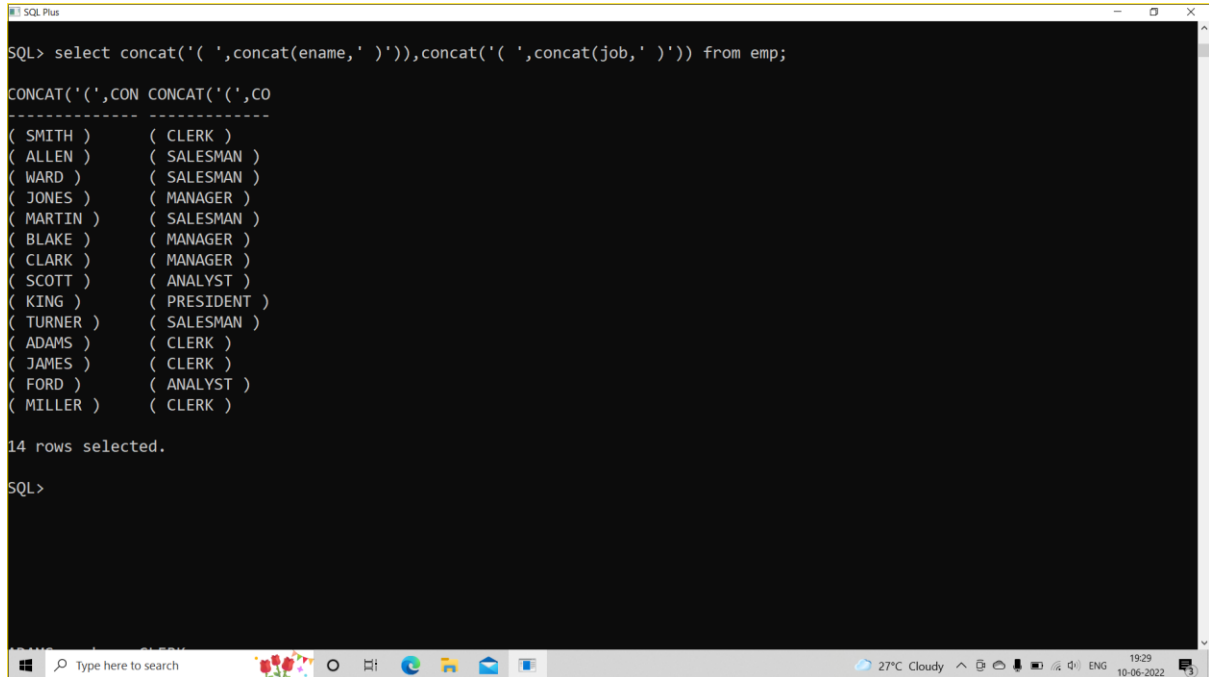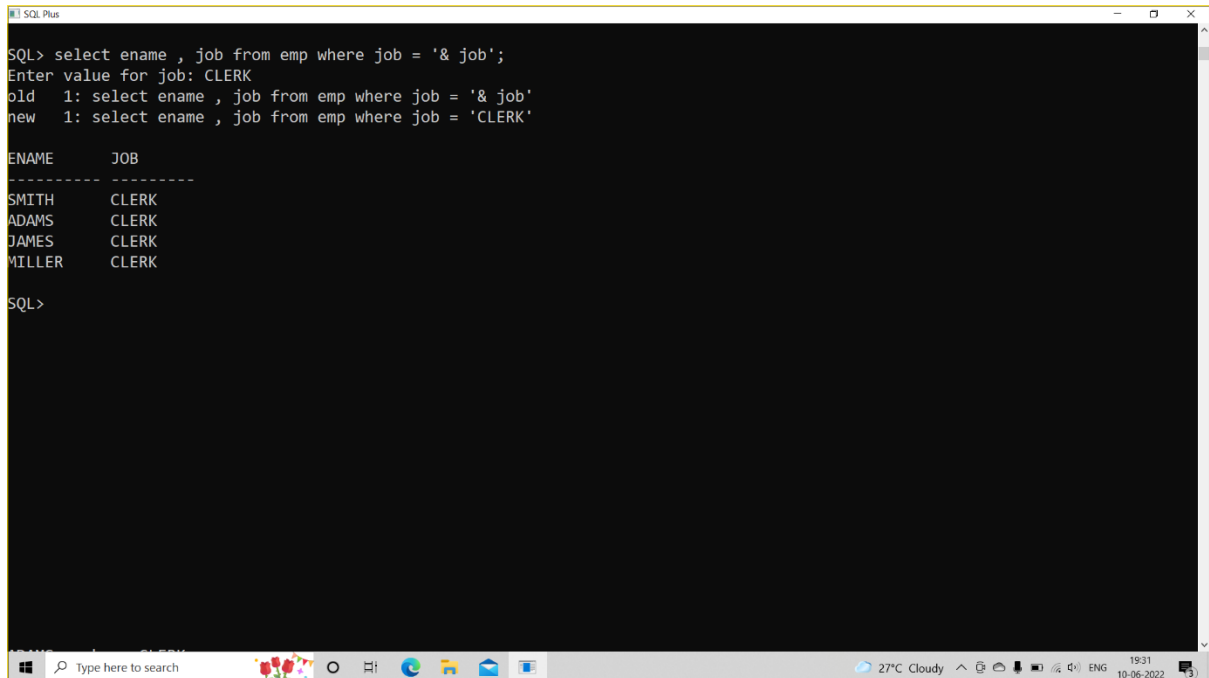
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Que 18 - Display the employee name and the job in brackets.

Que 19 - Do a case insensitive search for a list of employees with a job that the user enters.

```
SQL Plus                                                                    —  □  ×

SQL> select ename , job from emp where job = '& job';
Enter value for job: CLERK
old   1: select ename , job from emp where job = '& job'
new   1: select ename , job from emp where job = 'CLERK'

ENAME      JOB
---------- ---------
SMITH      CLERK
ADAMS      CLERK
JAMES      CLERK
MILLER     CLERK

SQL>
```
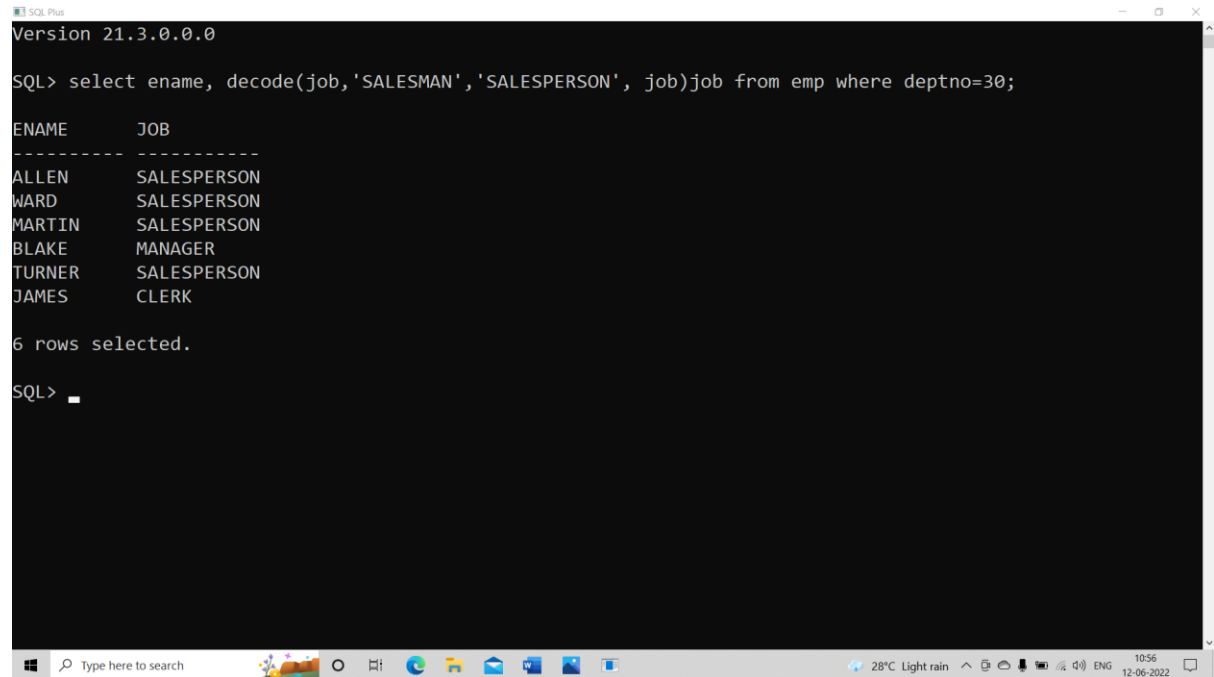
Que 20 - It has been discovered that the sales people in department 30 are not all men. Hence display the job of salesman as salesperson.

```
SQL Plus                                                                        -    □   ×
Version 21.3.0.0.0

SQL> select ename, decode(job,'SALESMAN','SALESPERSON', job)job from emp where deptno=30;

ENAME      JOB
---------- -----------
ALLEN      SALESPERSON
WARD       SALESPERSON
MARTIN     SALESPERSON
BLAKE      MANAGER
TURNER     SALESPERSON
JAMES      CLERK

6 rows selected.

SQL> _
```