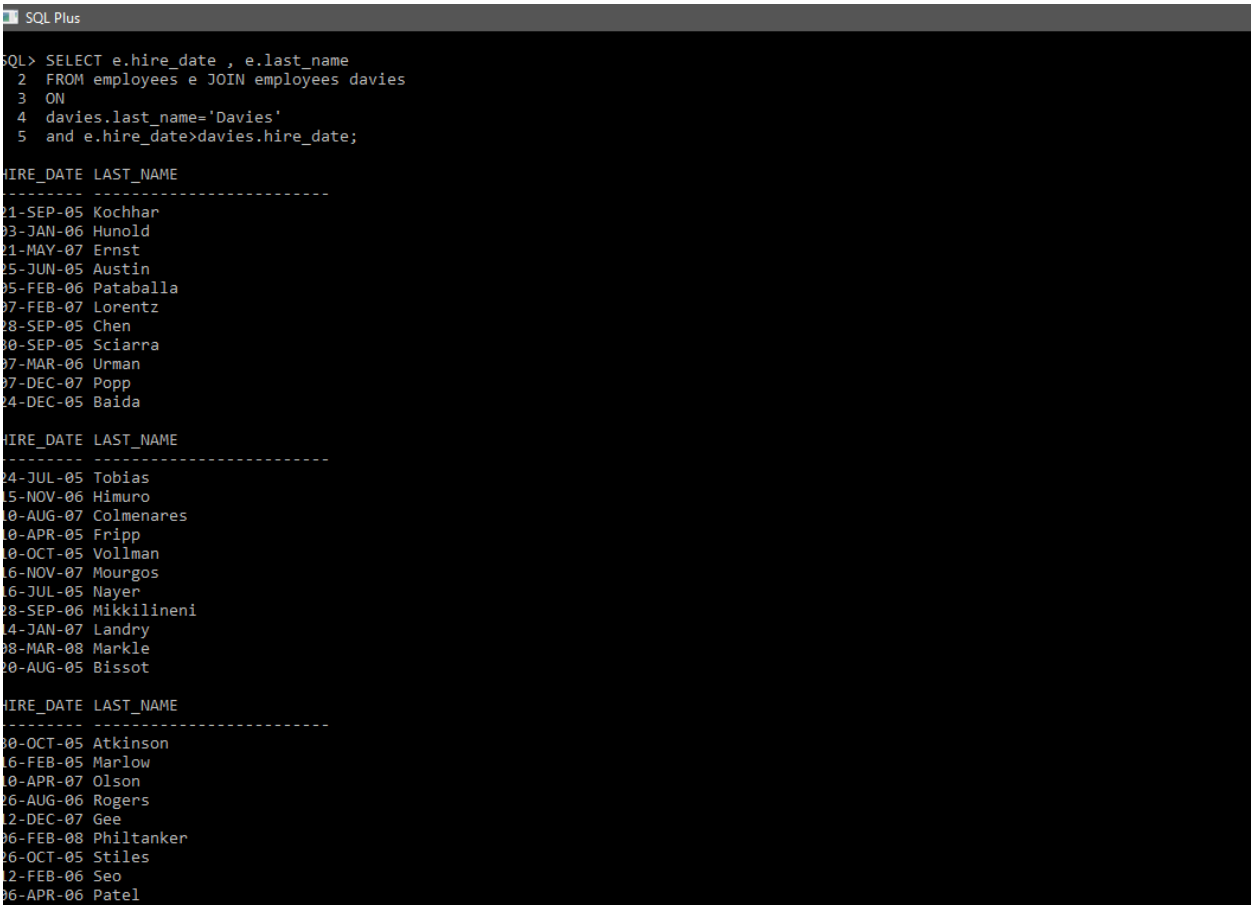
Lab:6

Q1:

The HR department wants to determine the names of all the employees who were hired after Davies. Create a query to display the name and hire date of any employee hired after employee Davies.

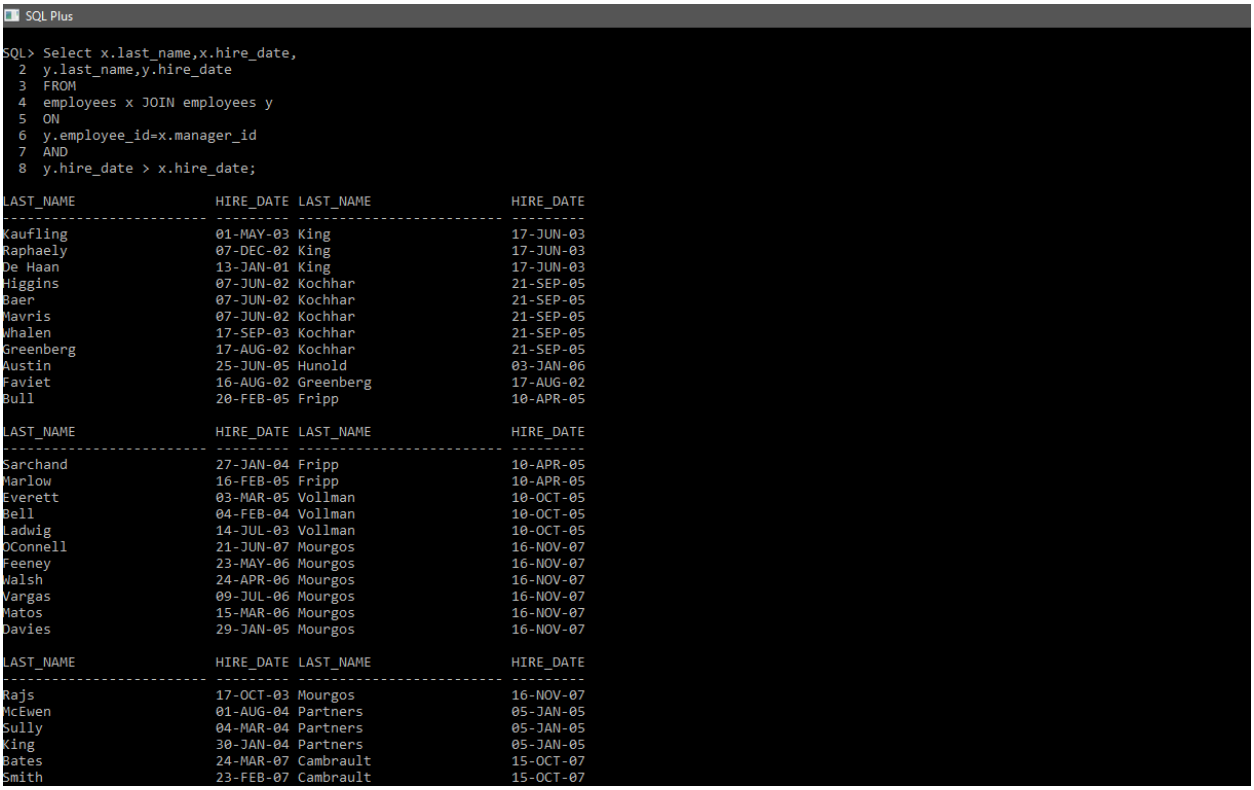
Solution:



Q2:

The HR department needs to find the names and hire dates of all the employees who were hired before their managers, along with their managers‘ names and hire dates.

Solution:

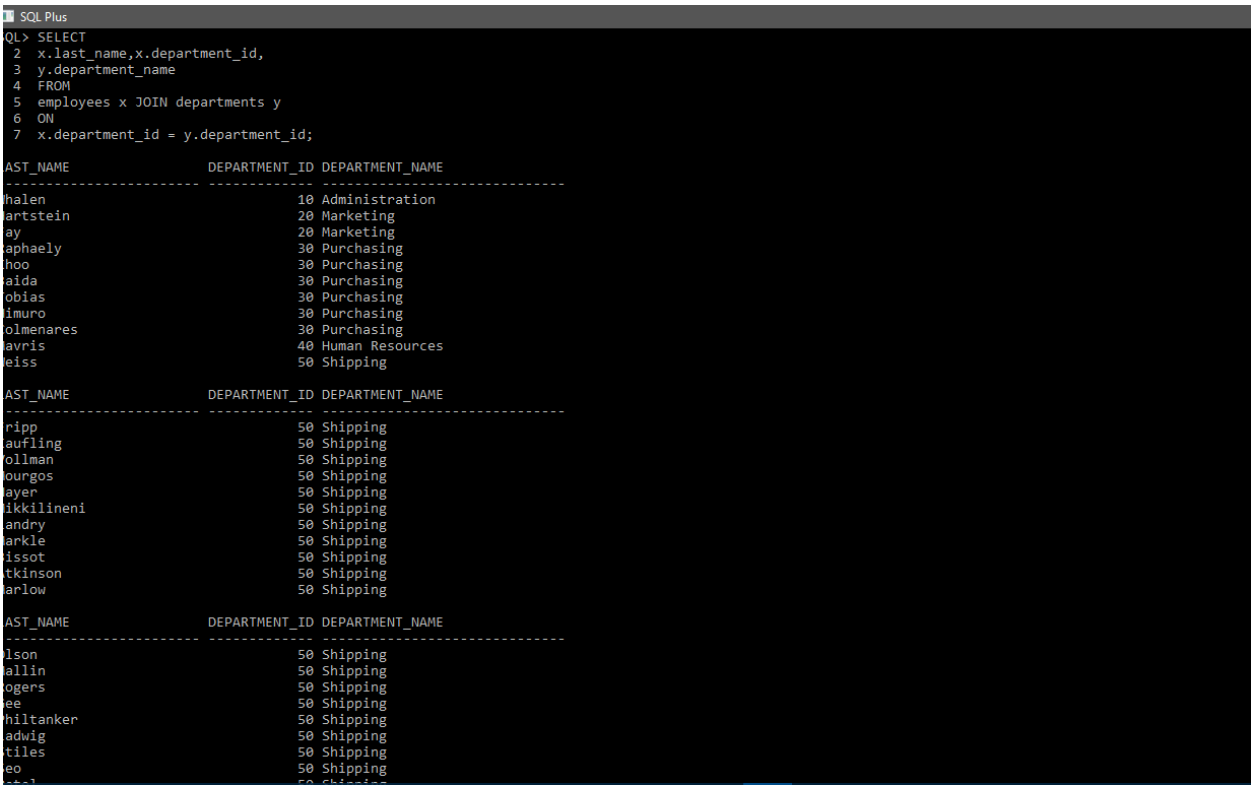


```
SQL Plus

SQL> Select x.last_name,x.hire_date,
  2  y.last_name,y.hire_date
  3  FROM
  4  employees x JOIN employees y
  5  ON
  6  y.employee_id=x.manager_id
  7  AND
  8  y.hire_date > x.hire_date;

LAST_NAME                 HIRE_DATE LAST_NAME                 HIRE_DATE
------------------------- --------- ------------------------- ---------
Kaufling                  01-MAY-03 King                      17-JUN-03
Raphaely                  07-DEC-02 King                      17-JUN-03
De Haan                   13-JAN-01 King                      17-JUN-03
Higgins                   07-JUN-02 Kochhar                   21-SEP-05
Baer                      07-JUN-02 Kochhar                   21-SEP-05
Mavris                    07-JUN-02 Kochhar                   21-SEP-05
Whalen                    17-SEP-03 Kochhar                   21-SEP-05
Greenberg                 17-AUG-02 Kochhar                   21-SEP-05
Austin                    25-JUN-05 Hunold                    03-JAN-06
Faviet                    16-AUG-02 Greenberg                 17-AUG-02
Bull                      20-FEB-05 Fripp                     10-APR-05

LAST_NAME                 HIRE_DATE LAST_NAME                 HIRE_DATE
------------------------- --------- ------------------------- ---------
Sarchand                  27-JAN-04 Fripp                     10-APR-05
Marlow                    16-FEB-05 Fripp                     10-APR-05
Everett                   03-MAR-05 Vollman                   10-OCT-05
Bell                      04-FEB-04 Vollman                   10-OCT-05
Ladwig                    14-JUL-03 Vollman                   10-OCT-05
OConnell                  21-JUN-07 Mourgos                   16-NOV-07
Feeney                    23-MAY-06 Mourgos                   16-NOV-07
Walsh                     24-APR-06 Mourgos                   16-NOV-07
Vargas                    09-JUL-06 Mourgos                   16-NOV-07
Matos                     15-MAR-06 Mourgos                   16-NOV-07
Davies                    29-JAN-05 Mourgos                   16-NOV-07

LAST_NAME                 HIRE_DATE LAST_NAME                 HIRE_DATE
------------------------- --------- ------------------------- ---------
Rajs                      17-OCT-03 Mourgos                   16-NOV-07
McEwen                    01-AUG-04 Partners                  05-JAN-05
Sully                     04-MAR-04 Partners                  05-JAN-05
King                      30-JAN-04 Partners                  05-JAN-05
Bates                     24-MAR-07 Cambrault                 15-OCT-07
Smith                     23-FEB-07 Cambrault                 15-OCT-07
```

Q3:

The HR department needs a report of all employees. Write a query to display the last name, department number, and department name for all the employees.

Solution:

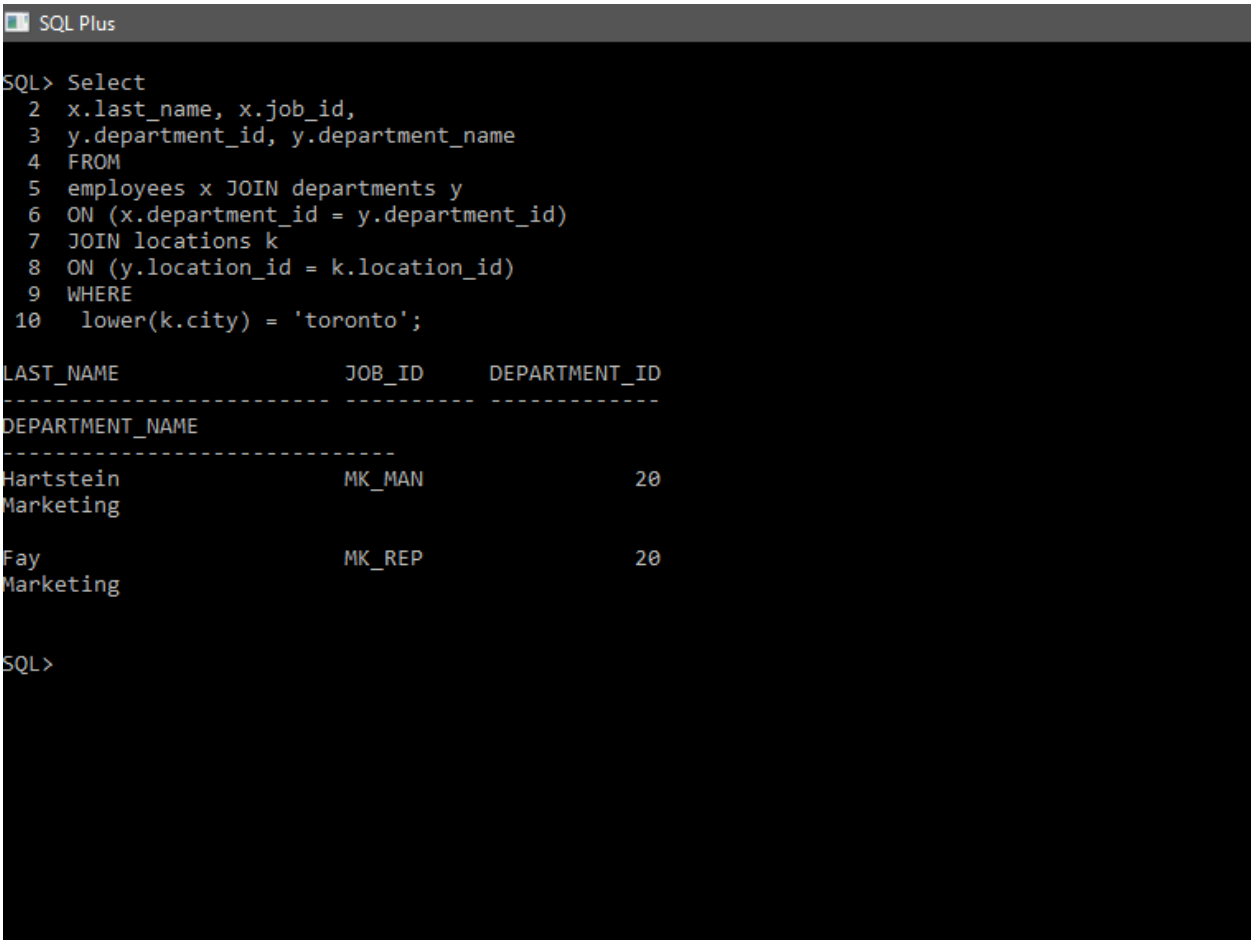


```
SQL Plus
QL> SELECT
  2  x.last_name,x.department_id,
  3  y.department_name
  4  FROM
  5  employees x JOIN departments y
  6  ON
  7  x.department_id = y.department_id;

AST_NAME                 DEPARTMENT_ID DEPARTMENT_NAME
------------------------ ------------- ------------------------------
halen                              10 Administration
artstein                           20 Marketing
ay                                 20 Marketing
aphaely                            30 Purchasing
hoo                                30 Purchasing
aida                               30 Purchasing
obias                              30 Purchasing
imuro                              30 Purchasing
olmenares                          30 Purchasing
avris                              40 Human Resources
eiss                               50 Shipping

AST_NAME                 DEPARTMENT_ID DEPARTMENT_NAME
------------------------ ------------- ------------------------------
ripp                               50 Shipping
aufling                            50 Shipping
ollman                             50 Shipping
ourgos                             50 Shipping
ayer                               50 Shipping
ikkilineni                         50 Shipping
andry                              50 Shipping
arkle                              50 Shipping
issot                              50 Shipping
tkinson                            50 Shipping
arlow                              50 Shipping

AST_NAME                 DEPARTMENT_ID DEPARTMENT_NAME
------------------------ ------------- ------------------------------
lson                               50 Shipping
allin                              50 Shipping
ogers                              50 Shipping
ee                                 50 Shipping
hiltanker                          50 Shipping
adwig                              50 Shipping
tiles                              50 Shipping
eo                                 50 Shipping
```

Q4:

The HR department needs a report of employees in Toronto. Display the last name, job, department number, and the department name for all employees who work in Toronto

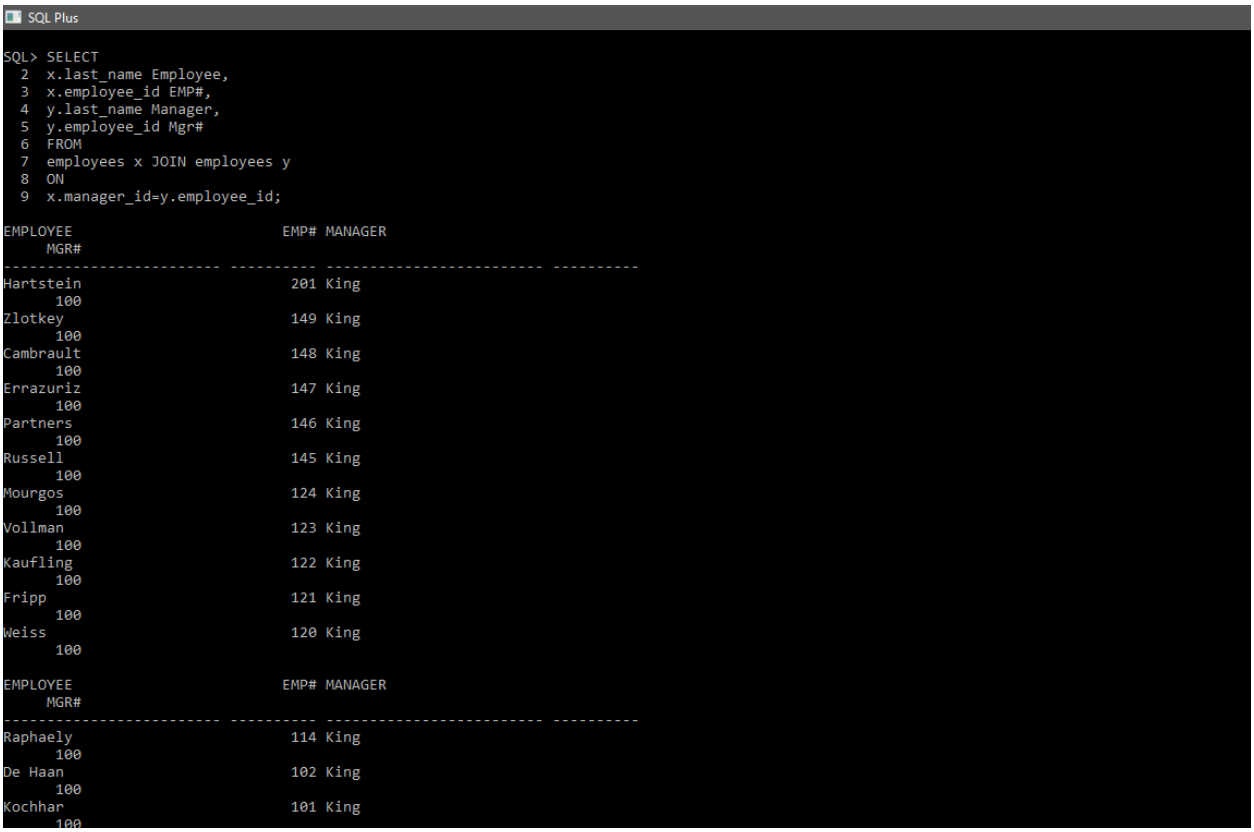
Solution:



Q5:

Create a report to display employees‘ last name and employee number along with their manager‘s last name and manager number. Label the columns Employee, Emp#, Manager, and Mgr#, respectively

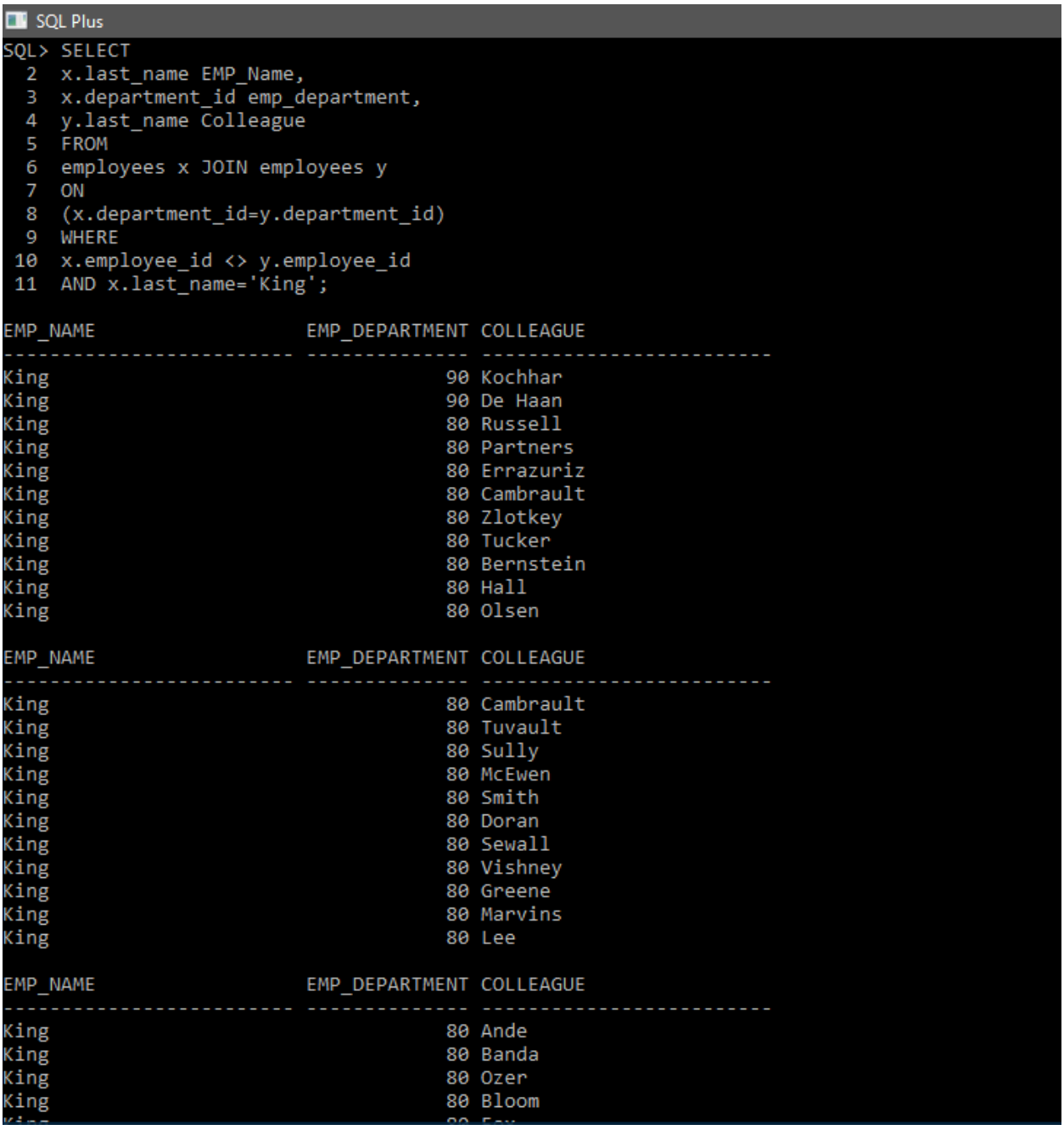
Solution:



Q6:

Create a report for the HR department that displays employee last names, department numbers, and all the employees who work in the same department as a given employee. Give each column an appropriate label.

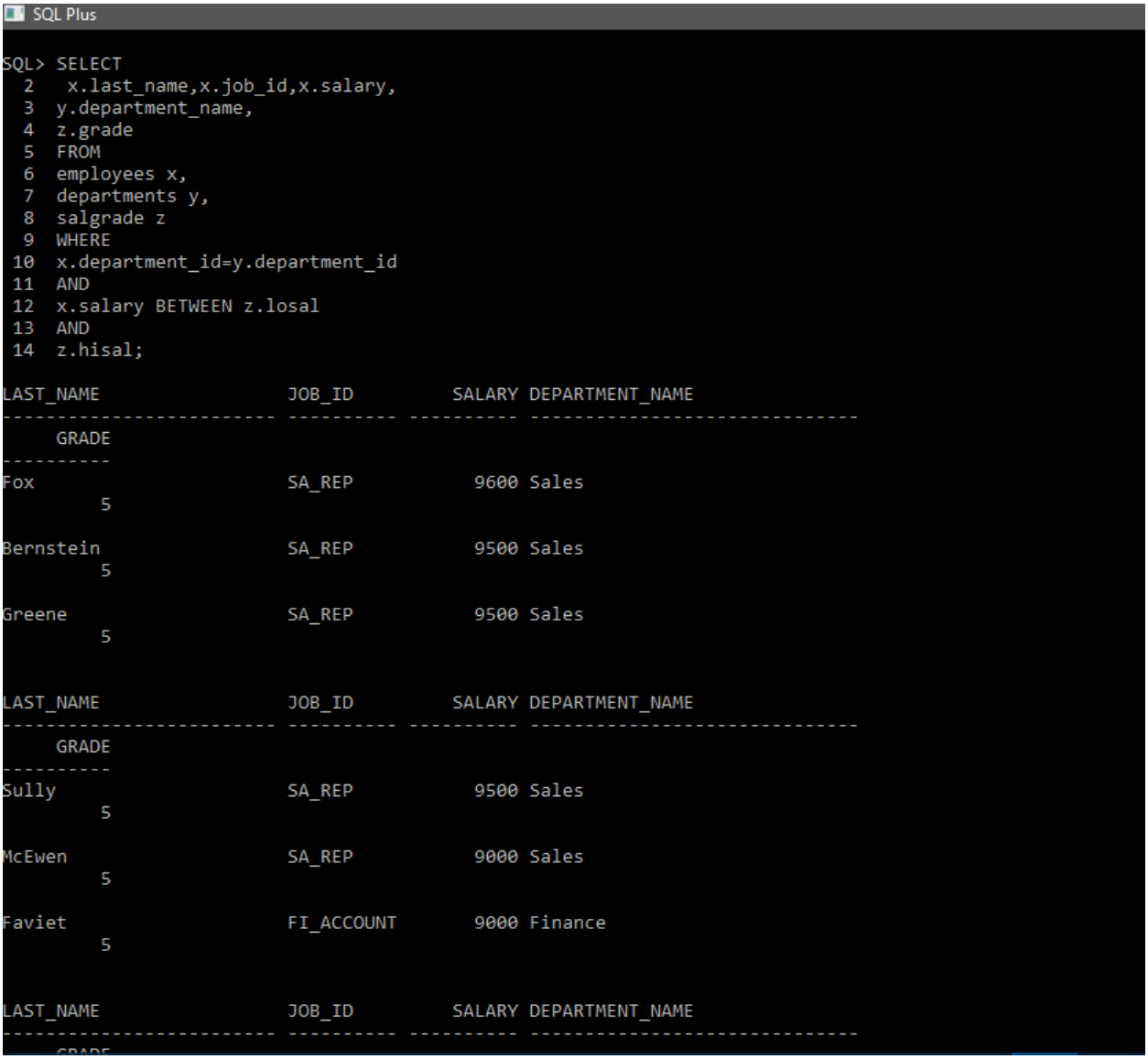
Solution:



Q7:

The HR department needs a report on job grades and salaries. To familiarize yourself with the JOB_GRADES table, first show the structure of the JOB_GRADES table. Then create a query that displays the name, job, department name, salary, and grade for all employees

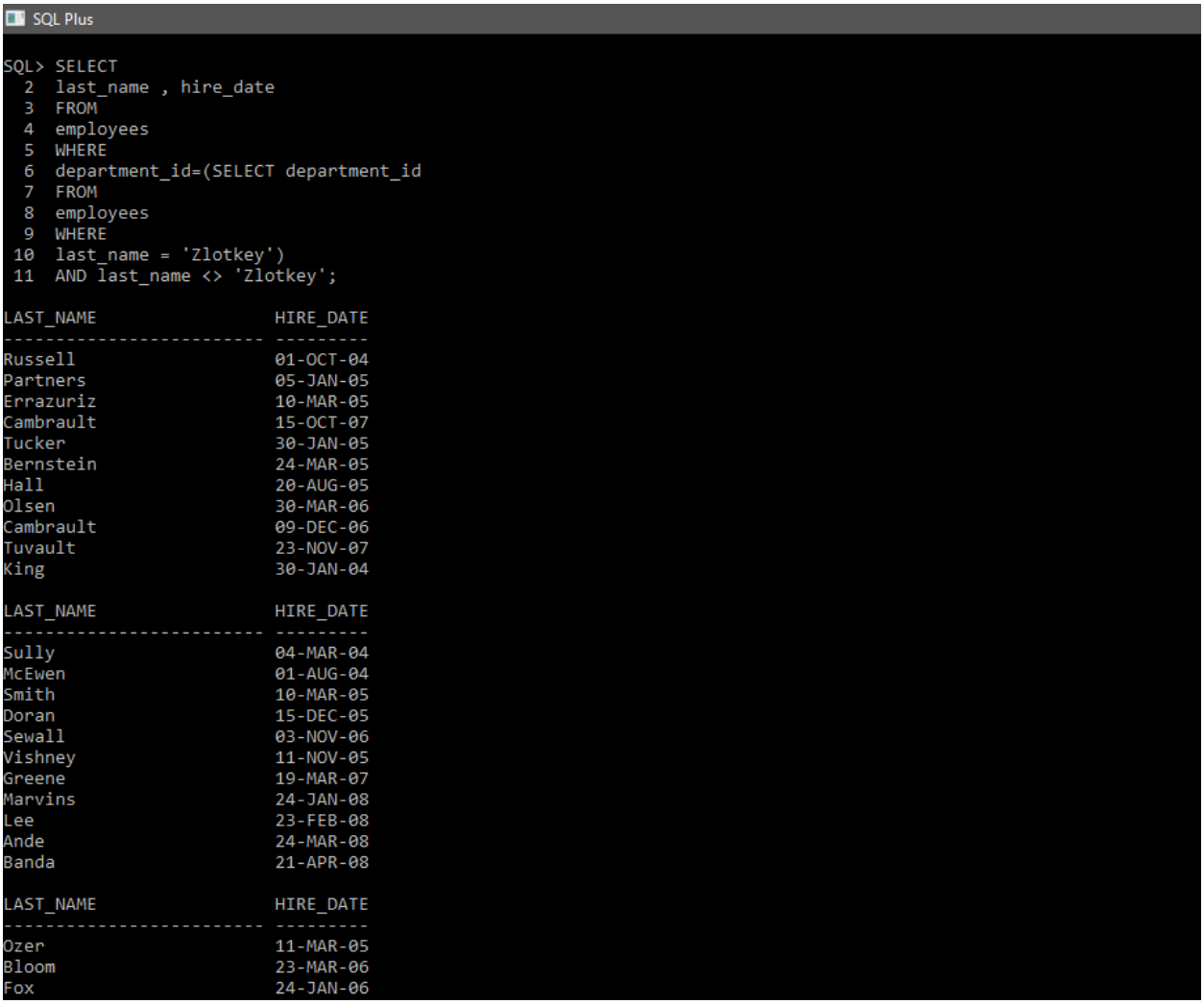
Solution:



Q8:

The HR department needs a query that prompts the user for an employee last name. The query then displays the last name and hire date of any employee in the same department as the employee whose name they supply (excluding that employee). For example, if the user enters Zlotkey, find all employees who work with Zlotkey (excluding Zlotkey).

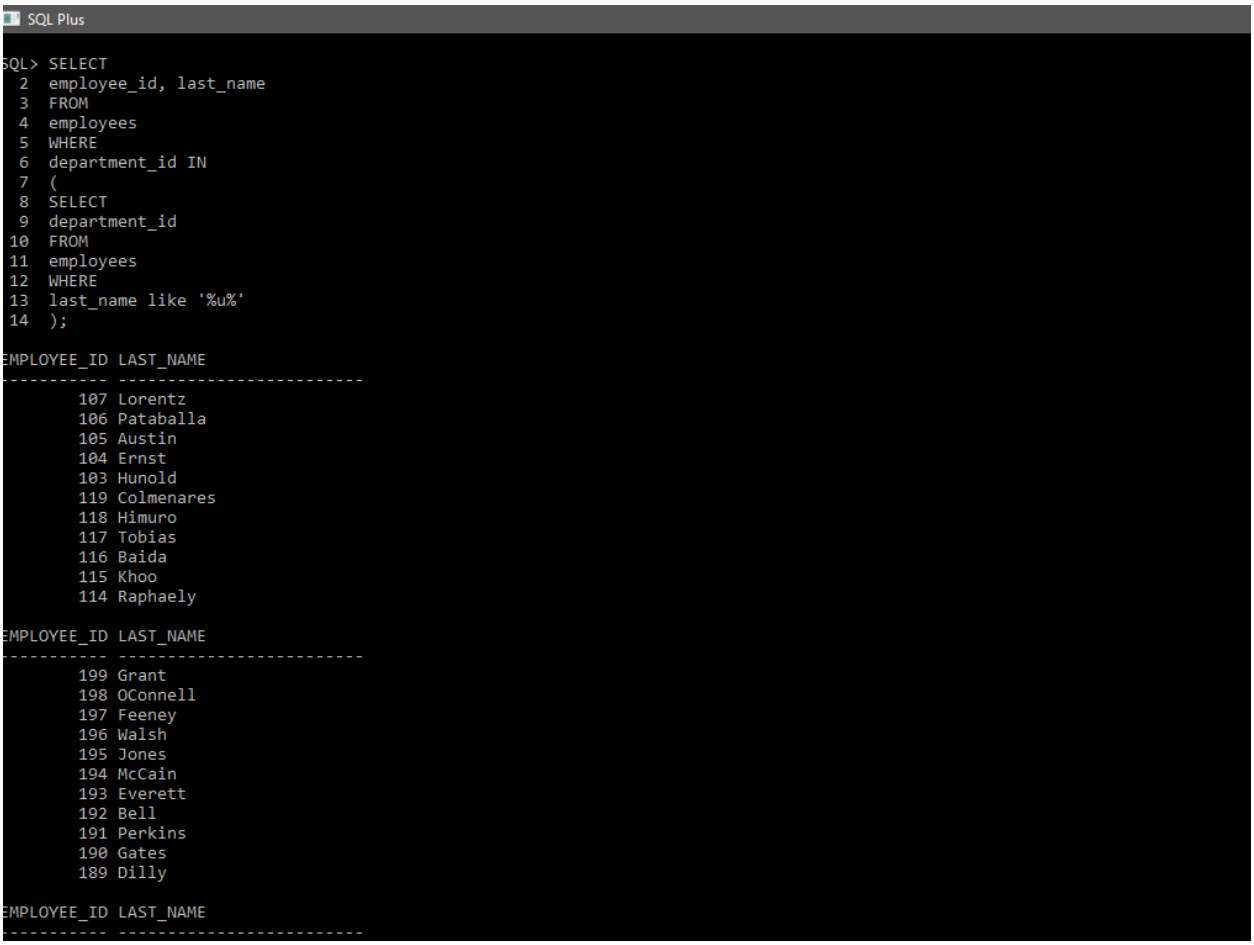
Solution:



Q9:

Write a query that displays the employee number and last name of all employees who work in a department with any employee whose last name contains the letter “u”.

Solution:



Q10:

The HR department needs a report that displays the last name, department number, and job ID of all employees whose department location ID is 1700.

Solution:

SQL Plus

```
SQL> SELECT
  2  last_name,department_id,job_id
  3  FROM
  4  employees
  5  WHERE
  6  department_id IN
  7  (
  8  SELECT
  9  department_id
 10  FROM
 11  departments
 12  WHERE
 13  location_id = 1700
 14  );

LAST_NAME                 DEPARTMENT_ID JOB_ID
------------------------- ------------- ----------
Whalen                               10 AD_ASST
Raphaely                             30 PU_MAN
Khoo                                 30 PU_CLERK
Baida                                30 PU_CLERK
Tobias                               30 PU_CLERK
Himuro                               30 PU_CLERK
Colmenares                           30 PU_CLERK
King                                 90 AD_PRES
Kochhar                              90 AD_VP
De Haan                              90 AD_VP
Greenberg                           100 FI_MGR

LAST_NAME                 DEPARTMENT_ID JOB_ID
------------------------- ------------- ----------
Faviet                              100 FI_ACCOUNT
Chen                                100 FI_ACCOUNT
Sciarra                             100 FI_ACCOUNT
Urman                               100 FI_ACCOUNT
Popp                                100 FI_ACCOUNT
Higgins                             110 AC_MGR
Gietz                               110 AC_ACCOUNT

18 rows selected.

SQL>
```