

#### QUESTION: NO 1

The HR department has requested a report of all employees and their job IDs. Display the last name concatenated with the job ID (separated by a comma and space) and name the column Employee and Title.

SOLUTION:

```
SQL Plus

SQL> SELECT last_name || ' , ' || job_id AS "Employee and Title"
2 FROM employees;

Employee and Title
-----
King , AD_PRES
Kochhar , AD_VP
De Haan , AD_VP
Hunold , IT_PROG
Ernst , IT_PROG
Austin , IT_PROG
Pataballa , IT_PROG
Lorentz , IT_PROG
Greenberg , FI_MGR
Faviet , FI_ACCOUNT
Chen , FI_ACCOUNT

Employee and Title
-----
Sciarra , FI_ACCOUNT
Urman , FI_ACCOUNT
Popp , FI_ACCOUNT
Raphaely , PU_MAN
Khoo , PU_CLERK
Baida , PU_CLERK
Tobias , PU_CLERK
Himuro , PU_CLERK
Colmenares , PU_CLERK
Weiss , ST_MAN
Fripp , ST_MAN

Employee and Title
-----
Kaufling , ST_MAN
Vollman , ST_MAN
Mourgos , ST_MAN
Nayer , ST_CLERK
Mikkilineni , ST_CLERK
Landry , ST_CLERK
Markle , ST_CLERK
Bissot , ST_CLERK
Atkinson , ST_CLERK
Marlow , ST_CLERK
Olson , ST_CLERK
```

#### QUESTION NO 2:

To familiarize yourself with the data in the EMPLOYEES table, create a query to display all the data from that table. Separate each column output by a comma. Name the column title THE\_OUTPUT.

SOLUTION:

```
SQL> select employee_id || ' ' || first_name || ' ' || last_name || ' ' || email || ' ' || phone_number || ' ' || hire_date || ' ' || job_id || ' ' || salary || ' ' || commission_pct || ' ' || manager_id || ' ' || department_id
2 AS "THE_OUTPUT"
3 from employees;

THE_OUTPUT
-----
100, Steven, King, SKING, 515.123.4567, 17-JUN-03, AD_PRES, 24000, , ,
90
101, Neena, Kochhar, NKOCHHAR, 515.123.4568, 21-SEP-05, AD_VP, 17000, , ,
100, 90
102, Lex, De Haan, LDEHAAN, 515.123.4569, 13-JAN-01, AD_VP, 17000, , 10
0, 90
103, Alexander, Hunold, AHUNOLD, 590.423.4567, 03-JAN-06, IT_PROG, 9000, ,
102, 60
THE_OUTPUT
-----
104, Bruce, Ernst, BERNST, 590.423.4568, 21-MAY-07, IT_PROG, 6000, , 10
3, 60
105, David, Austin, DAUSTIN, 590.423.4569, 25-JUN-05, IT_PROG, 4800, , ,
103, 60
106, Valli, Pataballa, VPATABAL, 590.423.4568, 05-FEB-06, IT_PROG, 4800, ,
103, 60
107, Diana, Lorentz, DLORENTZ, 590.423.5567, 07-FEB-07, IT_PROG, 4200, ,
103, 60
THE_OUTPUT
-----
108, Nancy, Greenberg, NGREENBE, 515.124.4569, 17-AUG-02, FI_MGR, 12000, ,
101, 100
109, Daniel, Faviet, DFAVIET, 515.124.4169, 16-AUG-02, FI_ACCOUNT, 9000, ,
108, 100
110, John, Chen, JCHEN, 515.124.4269, 28-SEP-05, FI_ACCOUNT, 8200, , 10
8, 100
THE_OUTPUT
-----
111, Ismael, Sciarra, ISCIARRA, 515.124.4369, 30-SEP-05, FI_ACCOUNT, 7700, ,
108, 100
112, Jose Manuel, Urman, JMURMAN, 515.124.4469, 07-MAR-06, FI_ACCOUNT, 78
00, , 108, 100
113, Luis, Popp, LPOPP, 515.124.4567, 07-DEC-07, FI_ACCOUNT, 6900, , 10
8, 100
114, Den, Raphaely, DRAPHEAL, 515.127.4561, 07-DEC-02, PU_MAN, 11000, , ,
100, 30
THE_OUTPUT
```

QUESTION:NO 3

Solution:

```
SQL Plus

SQL> select last_name,salary
  2  from employees
  3  where salary > 12000;

LAST_NAME          SALARY
-----
King                24000
Kochhar             17000
De Haan             17000
Greenberg           12008
Russell             14000
Partners            13500
Hartstein           13000
Higgins            12008

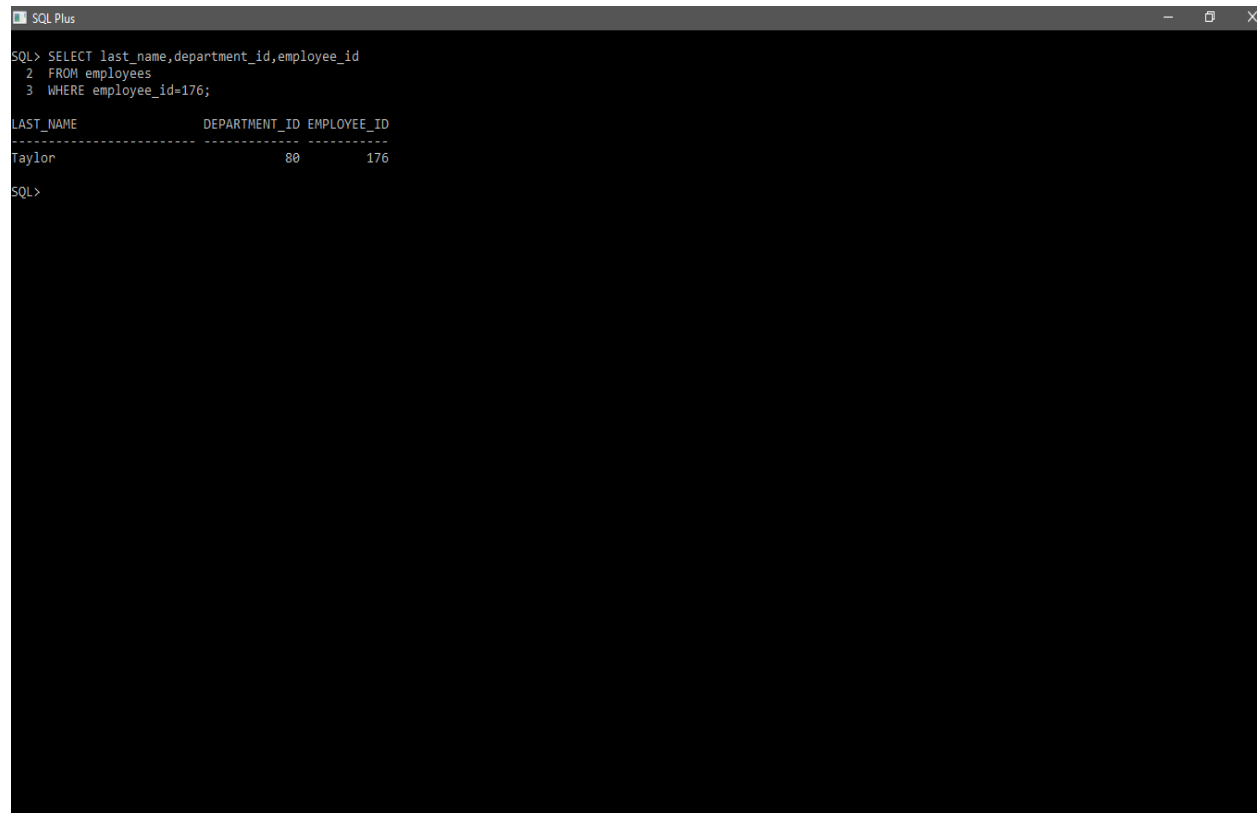
8 rows selected.

SQL>
```

QUESTION:NO 4

Create a report that displays the last name and department number for employee number 176. Run the query

SOLUTION:



```
SQL> SELECT last_name,department_id,employee_id
  2  FROM employees
  3  WHERE employee_id=176;

LAST_NAME      DEPARTMENT_ID EMPLOYEE_ID
-----
Taylor                80         176

SQL>
```

QUESTION:NO 5

SOLUTION:

```
SQL Plus
SQL> select last_name,job_id,hire_date
  2  from employees
  3  where last_name='Matos' or last_name='Taylor';

LAST_NAME      JOB_ID      HIRE_DATE
-----
Matos          ST_CLERK    15-MAR-06
Taylor         SA_REP      24-MAR-06
Taylor         SH_CLERK    24-JAN-06

SQL>
```

QUESTION:NO 6

SOLUTION:

```
SQL Plus

SQL> SELECT last_name,department_id
  2 FROM employees
  3 WHERE department_id=20
  4 OR department_id=50
  5 ORDER BY last_name;

LAST_NAME          DEPARTMENT_ID
-----
Atkinson           50
Bell               50
Bissot             50
Bull               50
Cabrio             50
Chung              50
Davies             50
Dellinger          50
Dilly             50
Everett           50
Fay               20

LAST_NAME          DEPARTMENT_ID
-----
Feeney            50
Fleaur           50
Fripp            50
Gates            50
Gee              50
Geoni            50
Grant            50
Hartstein        20
Jones            50
Kaufling         50
Ladwig           50

LAST_NAME          DEPARTMENT_ID
-----
Landry            50
Mallin           50
Markle           50
Marlow           50
Matos            50
McCain           50
Mikkilineni      50
Mourgos          50
Nayer            50
Neer             50
```

QUESTION:NO 7

SOLUTION:

```
SQL Plus

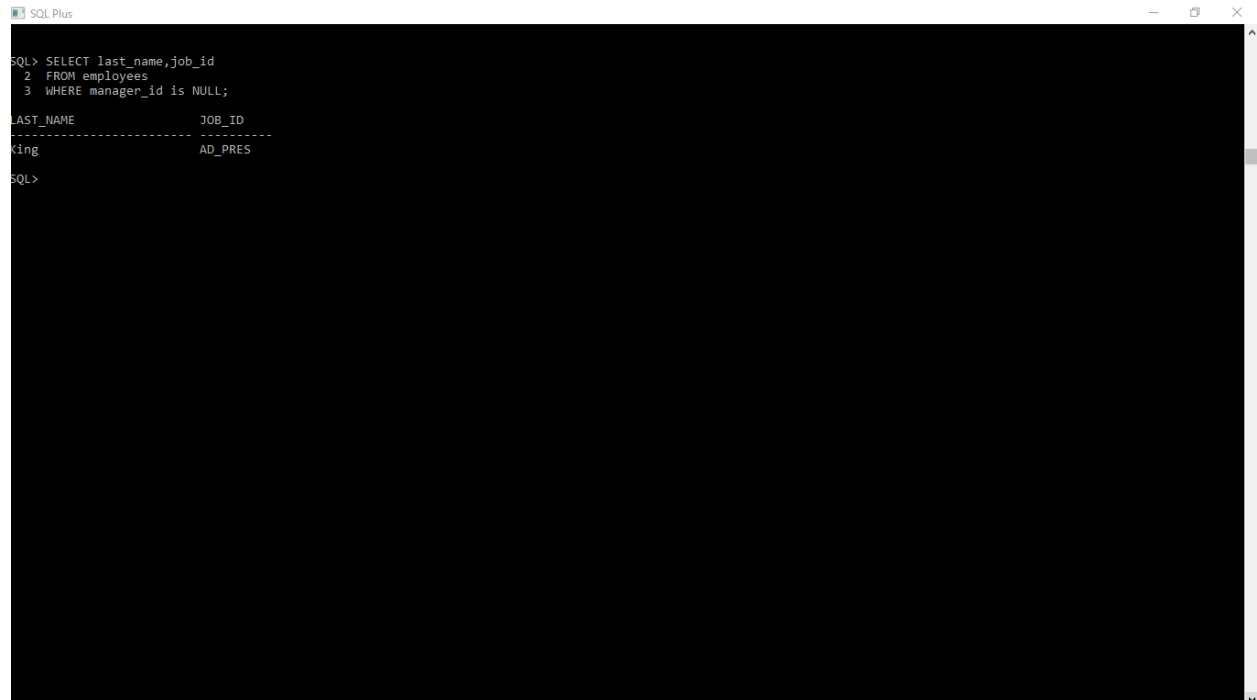
SQL> select last_name,hire_date
  2 from employees
  3 where hire_date LIKE 'X94';

no rows selected

SQL>
```

QUESTION:NO 8

SOLUTION:

A screenshot of an SQL Plus window titled "SQL Plus". The window has a black background with white text. The SQL prompt "SQL>" is followed by a query: "SELECT last\_name,job\_id FROM employees WHERE manager\_id is NULL;". Below the query, the results are displayed in a table format. The first row shows "LAST\_NAME" and "JOB\_ID" as column headers, separated by a dashed line. The second row shows "King" and "AD\_PRES" as data values. The prompt "SQL>" appears again at the bottom.

```
SQL> SELECT last_name,job_id
2 FROM employees
3 WHERE manager_id is NULL;

LAST_NAME      JOB_ID
-----
King           AD_PRES

SQL>
```

QUESTION:NO 9

SOLUTION:

SQL> select last_name,salary,commission_pct		
2 from employees		
3 order by salary desc, commission_pct desc,3;		
LAST_NAME	SALARY	COMMISSION_PCT
-----	-----	-----
King	24000	
Kochhar	17000	
De Haan	17000	
Russell	14000	.4
Partners	13500	.3
Hartstein	13000	
Greenberg	12000	
Higgins	12000	
Errazuriz	12000	.3
Ozer	11500	.25
Raphaely	11000	
LAST_NAME	SALARY	COMMISSION_PCT
-----	-----	-----
Cambrault	11000	.3
Abel	11000	.3
Vishney	10500	.25
Zlotkey	10500	.2
Beer	10000	
King	10000	.35
Tucker	10000	.3
Bloom	10000	.2
Fox	9600	.2
Sully	9500	.35
Bernstein	9500	.25
LAST_NAME	SALARY	COMMISSION_PCT
-----	-----	-----
Greene	9500	.15
Hunold	9000	
Faviet	9000	
McEwen	9000	.35
Hall	9000	.25
Huxton	8800	.25
Taylor	8600	.2
Livingston	8600	.2
Gietz	8300	
Fripp	8200	
Chen	8200	
LAST_NAME	SALARY	COMMISSION_PCT
-----	-----	-----
Weiss	8000	
Smith	8000	.3
Dixon	8000	.2
Kaufling	7900	
Uman	7800	
Sciarra	7700	
Doran	7500	.3
Cambrault	7500	.2
Smith	7400	.15
Bates	7300	.15
Marvins	7200	.1
LAST_NAME	SALARY	COMMISSION_PCT
-----	-----	-----