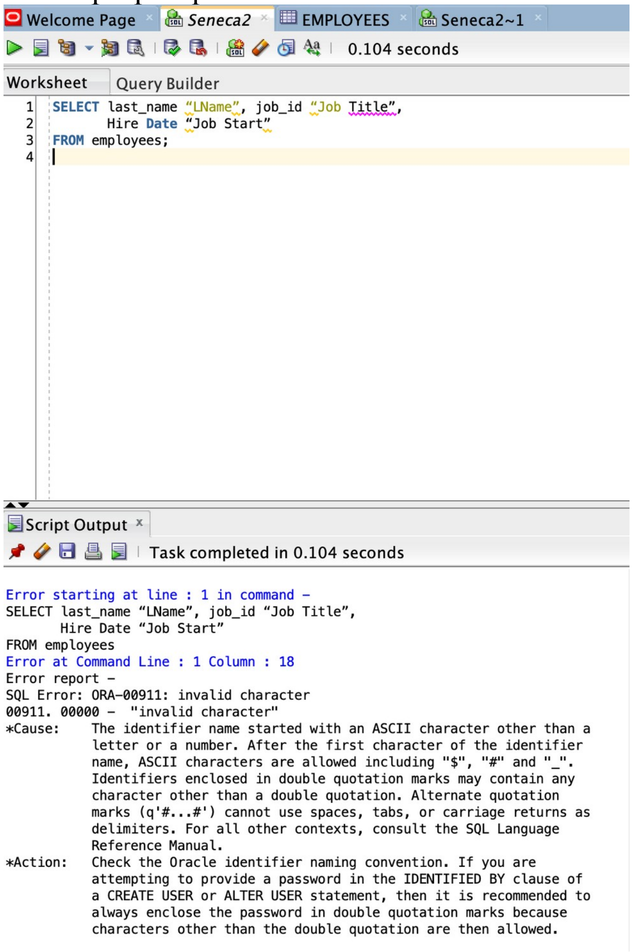
1. False/ The error occurred because there is an invalid character in the SQL statement. Specifically, the column alias "Hire Date" contains a space, which is not allowed without proper quotation.



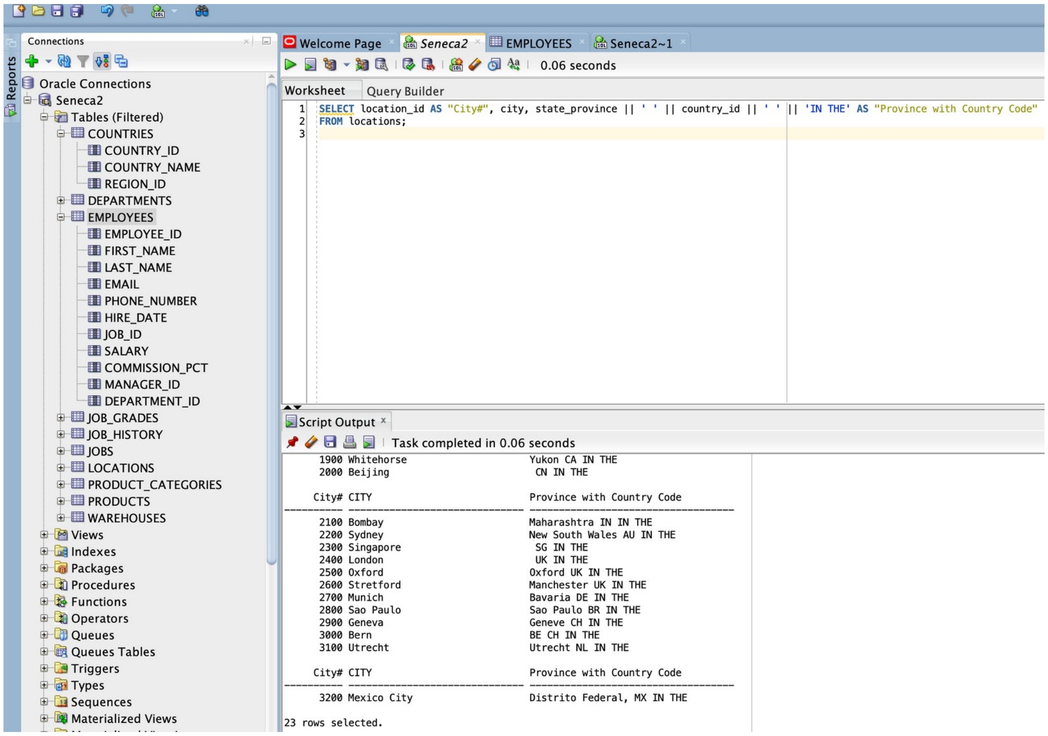
```
SELECT last_name “LName”, job_id “Job Title”,
       Hire Date “Job Start”
FROM employees;
```

```
Error starting at line : 1 in command -
SELECT last_name “LName”, job_id “Job Title”,
       Hire Date “Job Start”
FROM employees
Error at Command Line : 1 Column : 18
Error report -
SQL Error: ORA-00911: invalid character
00911. 00000 -  "invalid character"
*Cause:    The identifier name started with an ASCII character other than a
           letter or a number. After the first character of the identifier
           name, ASCII characters are allowed including "$", "#" and "_".
           Identifiers enclosed in double quotation marks may contain any
           character other than a double quotation. Alternate quotation
           marks (q'#...#') cannot use spaces, tabs, or carriage returns as
           delimiters. For all other contexts, consult the SQL Language
           Reference Manual.
*Action:   Check the Oracle identifier naming convention. If you are
           attempting to provide a password in the IDENTIFIED BY clause of
           a CREATE USER or ALTER USER statement, then it is recommended to
           always enclose the password in double quotation marks because
           characters other than the double quotation are then allowed.
```

2.

The errors include missing underscores in column aliases, and there's a comma at the end of the SELECT list without a subsequent column.

3.
SELECT location_id AS "City#", city, state_province || ' ' || country_id || ' ' || 'IN THE' AS "Province with Country Code"
FROM locations;



```sql
SELECT location_id AS "City#", city, state_province || ' ' || country_id || ' ' || 'IN THE' AS "Province with Country Code"
FROM locations;
```

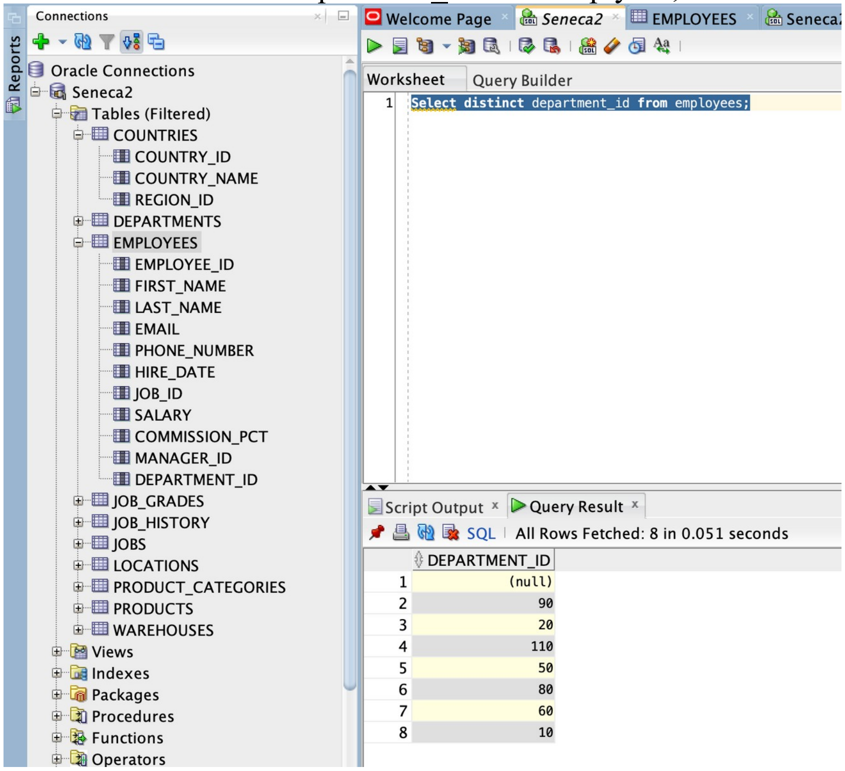
```
      1900 Whitehorse                     Yukon CA IN THE
      2000 Beijing                         CN IN THE

     City# CITY                           Province with Country Code
---------- ------------------------------ -----------------------------------
      2100 Bombay                         Maharashtra IN IN THE
      2200 Sydney                         New South Wales AU IN THE
      2300 Singapore                       SG IN THE
      2400 London                          UK IN THE
      2500 Oxford                         Oxford UK IN THE
      2600 Stretford                      Manchester UK IN THE
      2700 Munich                         Bavaria DE IN THE
      2800 Sao Paulo                      Sao Paulo BR IN THE
      2900 Geneva                         Geneve CH IN THE
      3000 Bern                           BE CH IN THE
      3100 Utrecht                        Utrecht NL IN THE

     City# CITY                           Province with Country Code
---------- ------------------------------ -----------------------------------
      3200 Mexico City                    Distrito Federal, MX IN THE

23 rows selected.
```

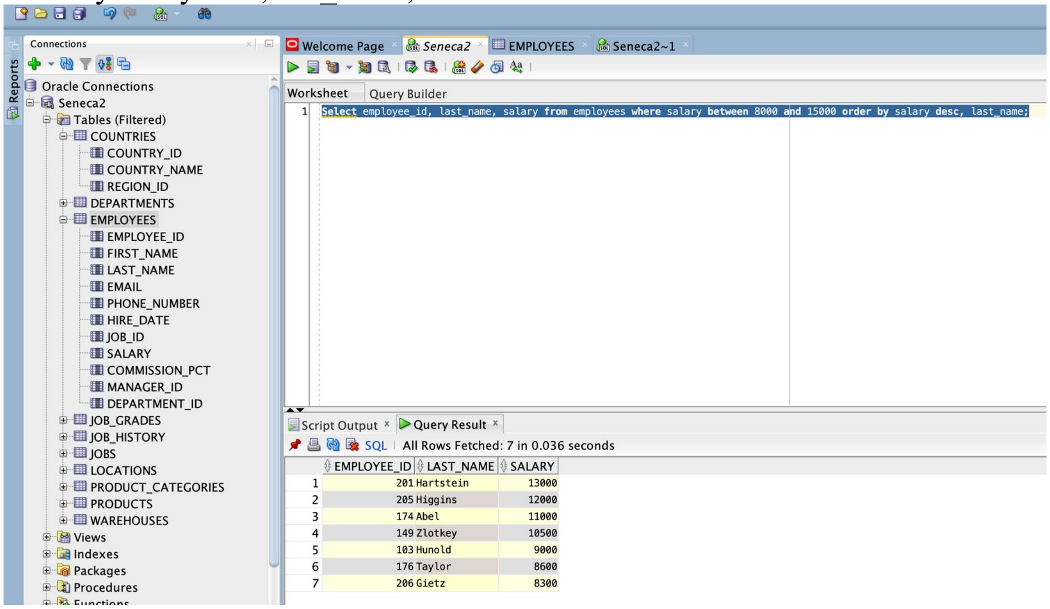
4. Select distinct department_id from emplyees;



```sql
Select distinct department_id from employees;
```

	DEPARTMENT_ID
1	(null)
2	90
3	20
4	110
5	50
6	80
7	60
8	10

5. Select employee_id, last_name, salary from emplyees where salary between 8000 and 15000 order by salary desc, last_name;

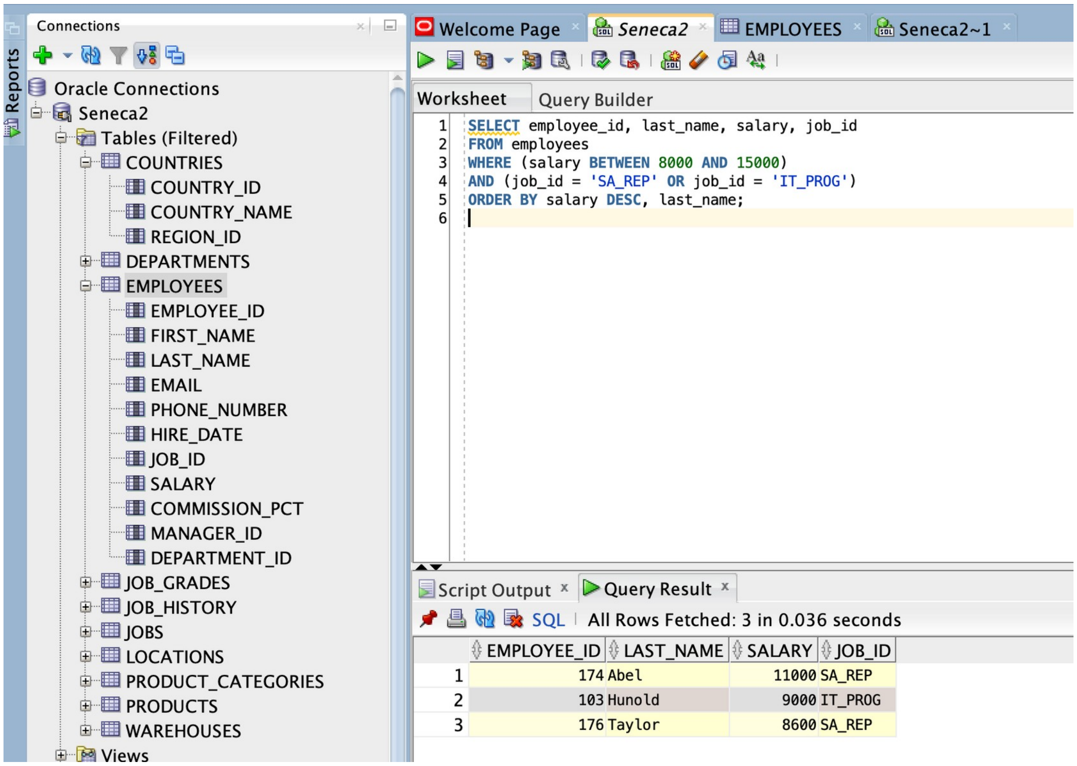


```
Select employee_id, last_name, salary from employees where salary between 8000 and 15000 order by salary desc, last_name;
```

All Rows Fetched: 7 in 0.036 seconds

	EMPLOYEE_ID	LAST_NAME	SALARY
1	201	Hartstein	13000
2	205	Higgins	12000
3	174	Abel	11000
4	149	Zlotkey	10500
5	103	Hunold	9000
6	176	Taylor	8600
7	206	Gietz	8300

6. Select employee_id, last_name, salary, job_id from employee where (salary between 8000 and 15000) and (job_id = ‘SA_REP’ or job_id = ‘IT_PROG) order by salary desc, last_name;

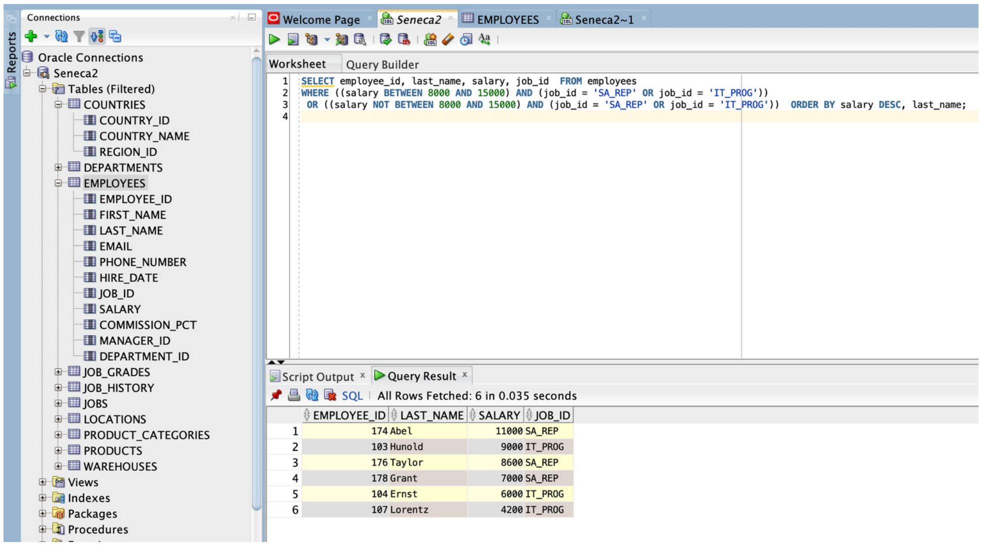


```
SELECT employee_id, last_name, salary, job_id
FROM employees
WHERE (salary BETWEEN 8000 AND 15000)
AND (job_id = 'SA_REP' OR job_id = 'IT_PROG')
ORDER BY salary DESC, last_name;
```

All Rows Fetched: 3 in 0.036 seconds

	EMPLOYEE_ID	LAST_NAME	SALARY	JOB_ID
1	174	Abel	11000	SA_REP
2	103	Hunold	9000	IT_PROG
3	176	Taylor	8600	SA_REP

7. SELECT employee_id, last_name, salary, job_id FROM employees
WHERE ((salary BETWEEN 8000 AND 15000) AND (job_id = 'SA_REP' OR job_id = 'IT_PROG'))
 OR ((salary NOT BETWEEN 8000 AND 15000) AND (job_id = 'SA_REP' OR job_id = 'IT_PROG')) ORDER BY salary DESC, last_name;

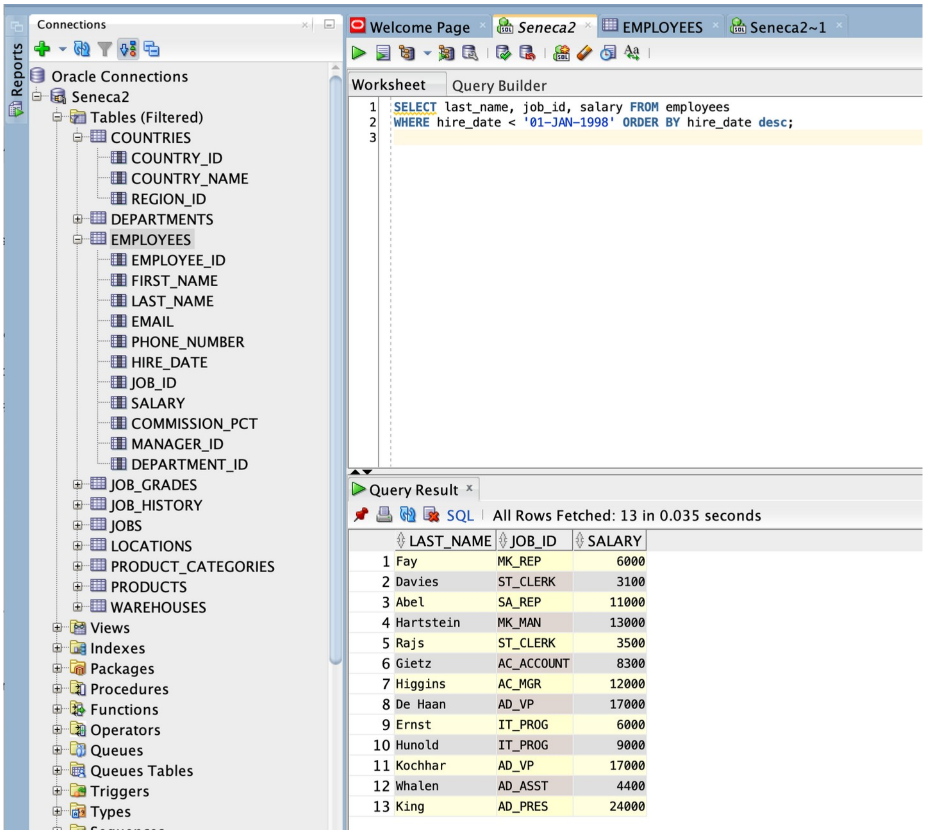


```
SELECT employee_id, last_name, salary, job_id  FROM employees
WHERE ((salary BETWEEN 8000 AND 15000) AND (job_id = 'SA_REP' OR job_id = 'IT_PROG'))
 OR ((salary NOT BETWEEN 8000 AND 15000) AND (job_id = 'SA_REP' OR job_id = 'IT_PROG'))  ORDER BY salary DESC, last_name;
```

```
All Rows Fetched: 6 in 0.035 seconds

   EMPLOYEE_ID LAST_NAME  SALARY JOB_ID
1          174 Abel        11000 SA_REP
2          103 Hunold       9000 IT_PROG
3          176 Taylor       8600 SA_REP
4          178 Grant        7000 SA_REP
5          104 Ernst        6000 IT_PROG
6          107 Lorentz      4200 IT_PROG
```

8. SELECT last_name, job_id, salary FROM employees
WHERE hire_date < '01-JAN-1998' ORDER BY hire_date desc;

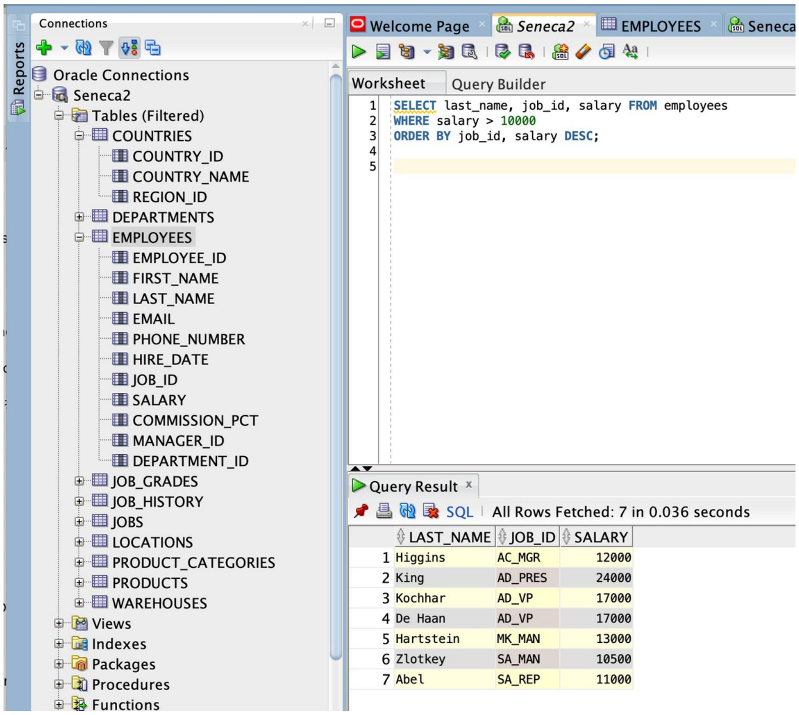


```
SELECT last_name, job_id, salary FROM employees
WHERE hire_date < '01-JAN-1998' ORDER BY hire_date desc;
```

```
All Rows Fetched: 13 in 0.035 seconds

    LAST_NAME  JOB_ID      SALARY
 1  Fay        MK_REP        6000
 2  Davies     ST_CLERK      3100
 3  Abel       SA_REP       11000
 4  Hartstein  MK_MAN       13000
 5  Rajs       ST_CLERK      3500
 6  Gietz      AC_ACCOUNT    8300
 7  Higgins    AC_MGR       12000
 8  De Haan    AD_VP        17000
 9  Ernst      IT_PROG       6000
10  Hunold     IT_PROG       9000
11  Kochhar    AD_VP        17000
12  Whalen     AD_ASST       4400
13  King       AD_PRES      24000
```

9. SELECT last_name, job_id, salary FROM employees
WHERE salary > 10000
ORDER BY job_id, salary desc;

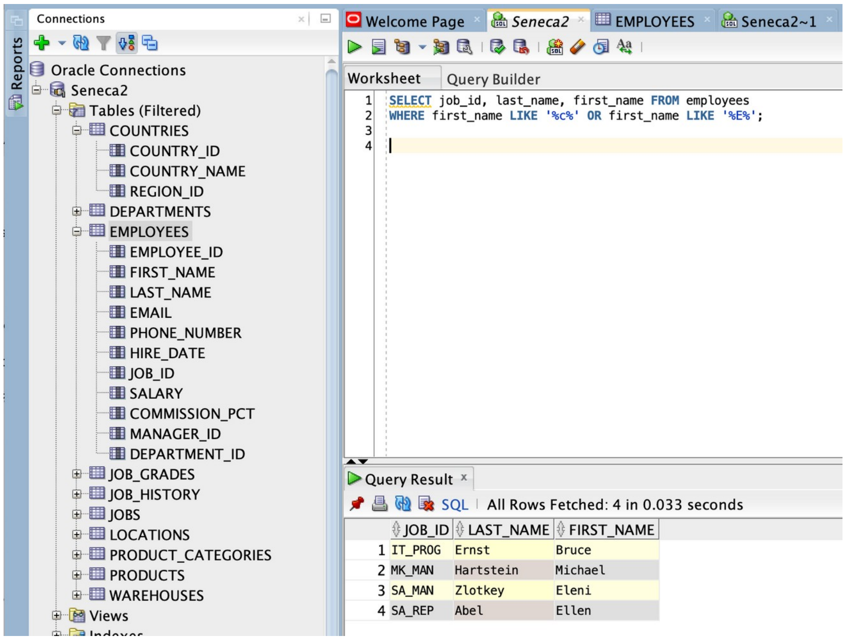


```
SELECT last_name, job_id, salary FROM employees
WHERE salary > 10000
ORDER BY job_id, salary DESC;
```

All Rows Fetched: 7 in 0.036 seconds

	LAST_NAME	JOB_ID	SALARY
1	Higgins	AC_MGR	12000
2	King	AD_PRES	24000
3	Kochhar	AD_VP	17000
4	De Haan	AD_VP	17000
5	Hartstein	MK_MAN	13000
6	Zlotkey	SA_MAN	10500
7	Abel	SA_REP	11000

10.
SELECT job_id, last_name, first_name FROM employees
WHERE first_name LIKE '%c%' OR first_name LIKE '%E%';



```
SELECT job_id, last_name, first_name FROM employees
WHERE first_name LIKE '%c%' OR first_name LIKE '%E%';
```

All Rows Fetched: 4 in 0.033 seconds

	JOB_ID	LAST_NAME	FIRST_NAME
1	IT_PROG	Ernst	Bruce
2	MK_MAN	Hartstein	Michael
3	SA_MAN	Zlotkey	Eleni
4	SA_REP	Abel	Ellen