SQL

DESCRIBE { table-Name | view-Name }

SQL

DESC[RIBE] { [schema.]object [@db_link] }

Lists the column definitions for the specified table, view or synonym, or the specifications for the specified function or procedure.

SQL

SELECT * | { [DISTINCT] column | expression [alias], … } FROM table

SELECT * FROM table;

SELECT * FROM regions;

...

SELECT column1 (possibly other columns or expressions) [alias opcional]
SELECT DISTINCT column1 (possibly other columns or expressions) [alias opcional]

...

SELECT region_name FROM regions;

SQL

```
SELECT * FROM JOB_HISTORY

SELECT JOB_ID, DEPARTMENT_ID FROM JOB_HISTORY

SELECT DISTINCT JOB_ID, DEPARTMENT_ID FROM JOB_HISTORY
```

SQL

SELECT * FROM LOCATIONS;

SELECT * FROM locations;

select * from locations;

SQL

```
SELECT country_name, country_id, region_id FROM countries;

...

SELECT city, location_id, state_province, country_id
FROM locations
/
...

SELECT     city, location_id,
                state_province, country_id
FROM locations
/
```

SQL

```
SELECT     city, location_id,
           state_province, country_id
FROM locations
/

...

SELECT     city
           , location_id
           , state_province
           , country_id
FROM locations
/
```

SQL

OPERADORES

Nivel de prioridad	Símbolo del operador	Operación
Alta	( )	Corchete o paréntesis
Media	/	División
Media	*	Multiplicación
Baja	-	Resta
Baja	+	Suma

SQL

OPERADORES Y EXPRESIONES

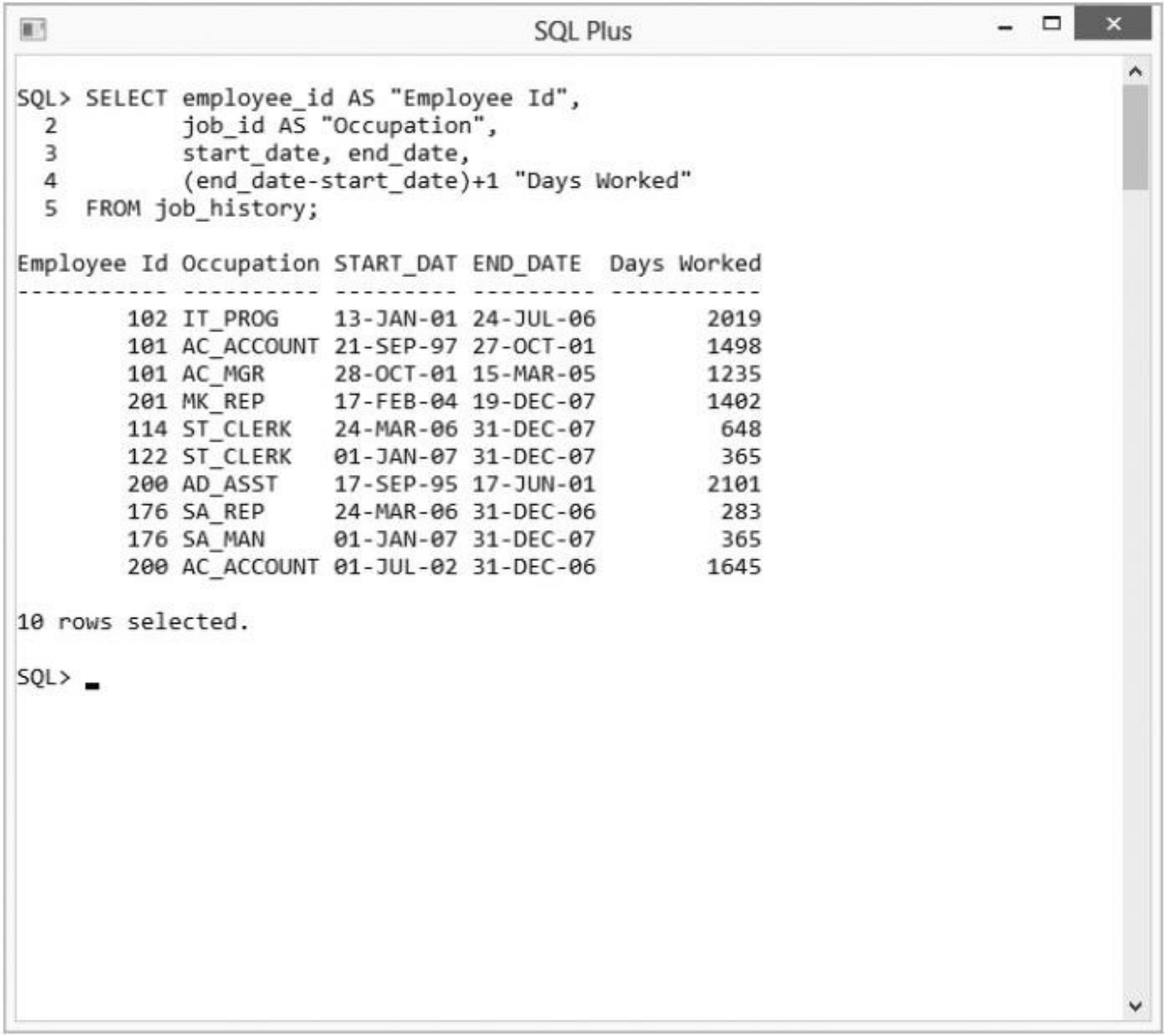
```
SELECT employee_id, Job_id, start_date, end_date,
            end_date – start_date + 1 AS "Days Worked",
           (end_date – start_date + 1) *8 AS "Correct Hours Worket",
            end_date – start_date + 1 * 8 AS "Incorrect Hours Worked"
FROM HR.job_history;
```

SQL

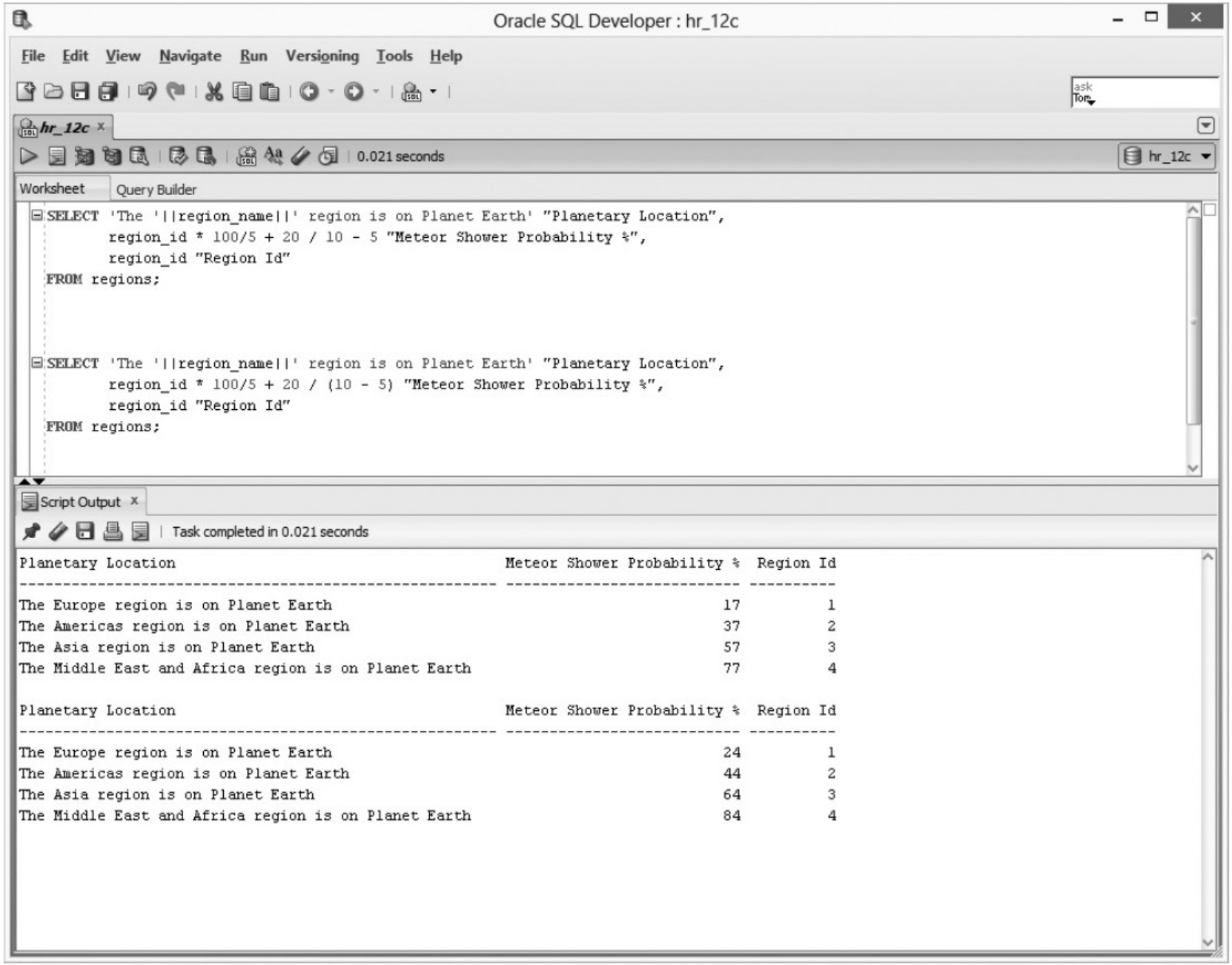
ALIAS

```
SELECT employee_id, Job_id, start_date, end_date,
            end_date – start_date + 1 AS "Days Worked",
           (end_date – start_date + 1) *8 AS "Correct Hours Worket",
            end_date – start_date + 1 * 8 AS "Incorrect Hours Worked"
FROM HR.job_history;
```

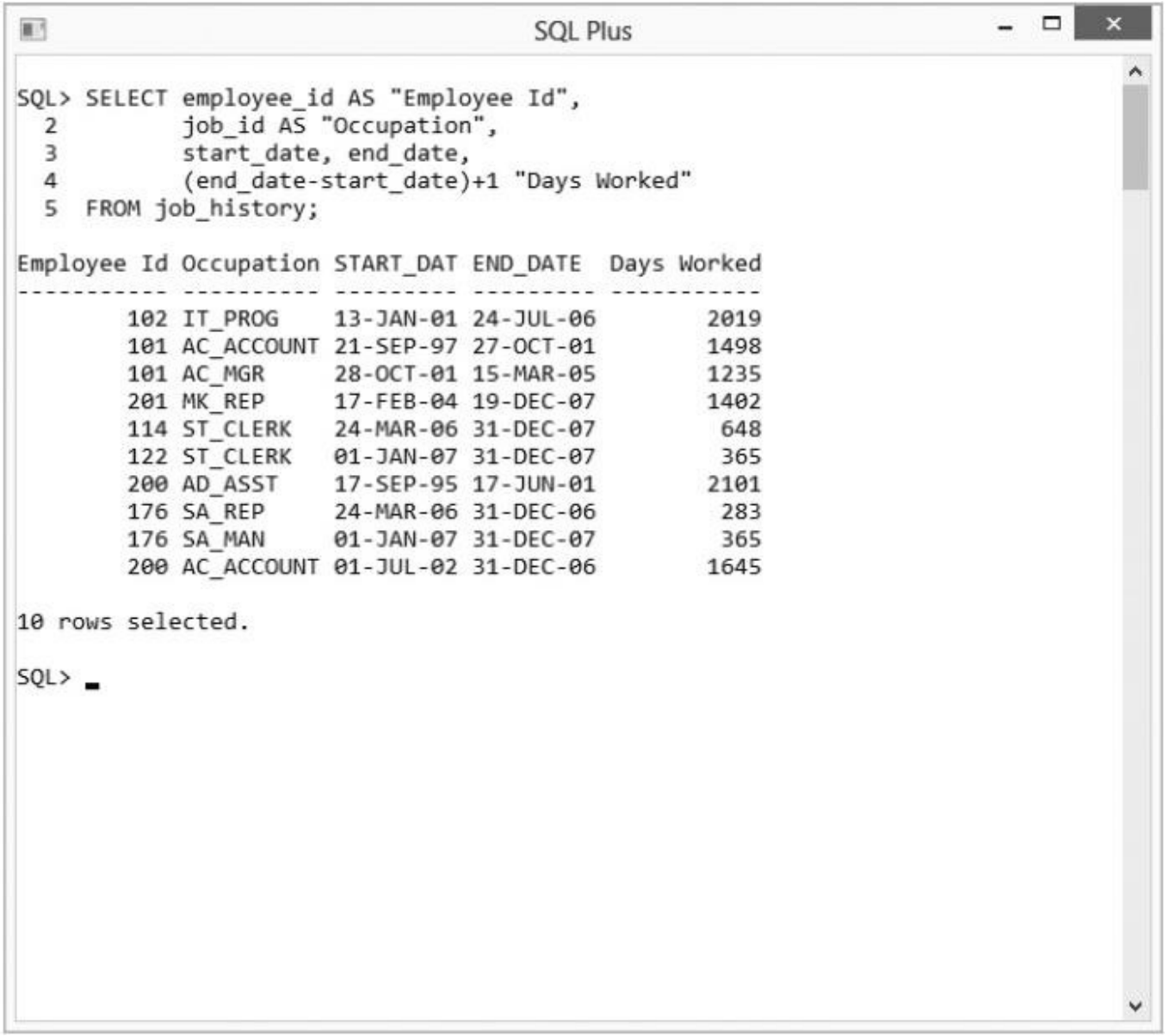
SQL


SQL Plus
SQL> SELECT employee_id AS "Employee Id",
2 job_id AS "Occupation",
3 start_date, end_date,
4 (end_date-start_date)+1 "Days Worked"
5 FROM job_history;
Employee Id Occupation START_DAT END_DATE Days Worked
102 IT_PROG 13-JAN-01 24-JUL-06 2019
101 AC_ACCOUNT 21-SEP-97 27-OCT-01 1498
101 AC_MGR 28-OCT-01 15-MAR-05 1235
201 MK_REP 17-FEB-04 19-DEC-07 1402
114 ST_CLERK 24-MAR-06 31-DEC-07 648
122 ST_CLERK 01-JAN-07 31-DEC-07 365
200 AD_ASST 17-SEP-95 17-JUN-01 2101
176 SA_REP 24-MAR-06 31-DEC-06 283
176 SA_MAN 01-JAN-07 31-DEC-07 365
200 AC_ACCOUNT 01-JUL-02 31-DEC-06 1645
10 rows selected.
SQL>

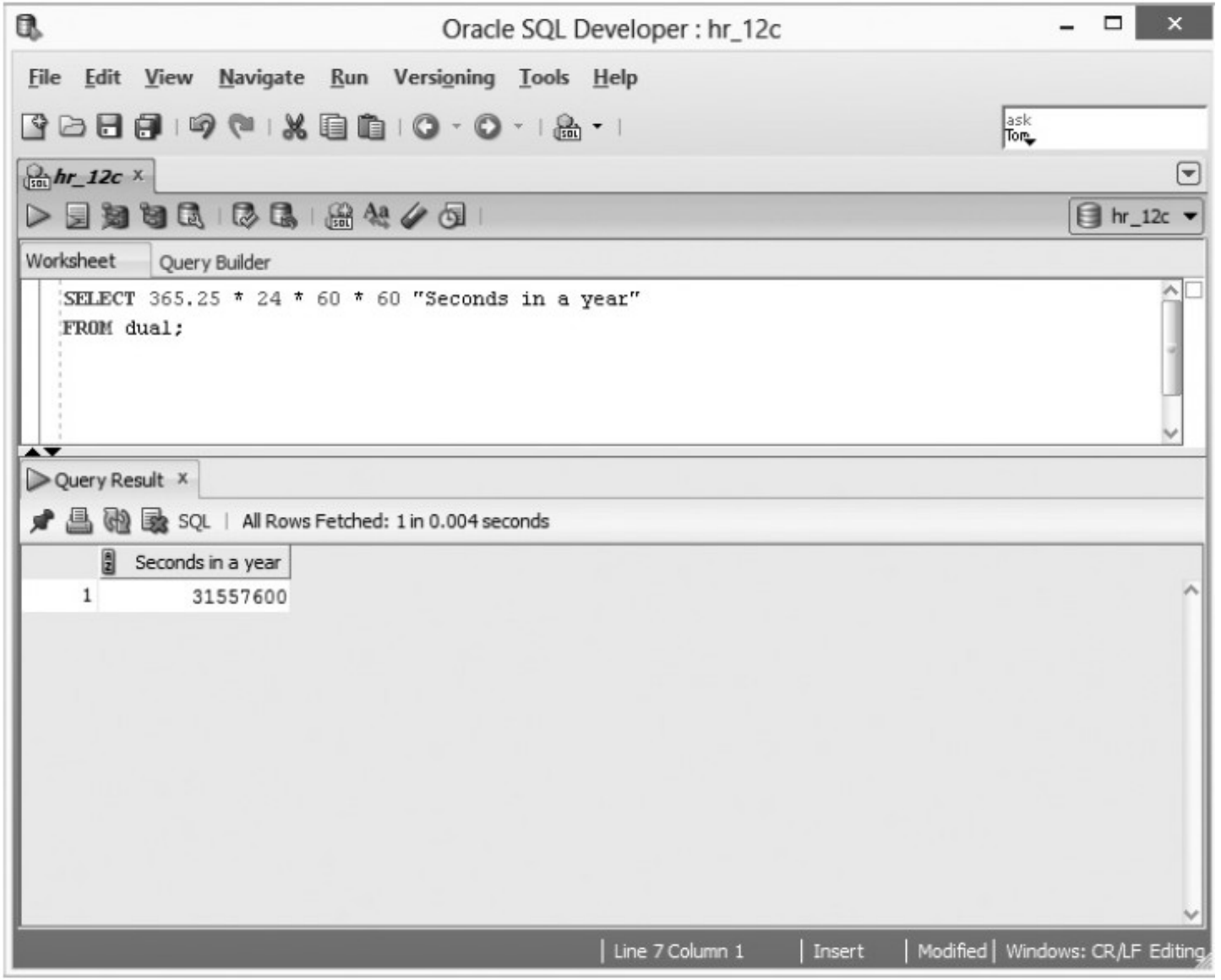
SQL


Oracle SQL Developer : hr_12c
File Edit View Navigate Run Versioning Tools Help
hr_12c
0.021 seconds
hr_12c
Worksheet
Query Builder
SELECT 'The '||region_name||' region is on Planet Earth' "Planetary Location",
region_id * 100/5 + 20 / 10 - 5 "Meteor Shower Probability %",
region_id "Region Id"
FROM regions;
SELECT 'The '||region_name||' region is on Planet Earth' "Planetary Location",
region_id * 100/5 + 20 / (10 - 5) "Meteor Shower Probability %",
region_id "Region Id"
FROM regions;
Script Output
Task completed in 0.021 seconds
Planetary Location Meteor Shower Probability % Region Id
The Europe region is on Planet Earth 17 1
The Americas region is on Planet Earth 37 2
The Asia region is on Planet Earth 57 3
The Middle East and Africa region is on Planet Earth 77 4
Planetary Location Meteor Shower Probability % Region Id
The Europe region is on Planet Earth 24 1
The Americas region is on Planet Earth 44 2
The Asia region is on Planet Earth 64 3
The Middle East and Africa region is on Planet Earth 84 4

SQL


SQL Plus
SQL> SELECT employee_id AS "Employee Id",
2 job_id AS "Occupation",
3 start_date, end_date,
4 (end_date-start_date)+1 "Days Worked"
5 FROM job_history;
Employee Id Occupation START_DAT END_DATE Days Worked
102 IT_PROG 13-JAN-01 24-JUL-06 2019
101 AC_ACCOUNT 21-SEP-97 27-OCT-01 1498
101 AC_MGR 28-OCT-01 15-MAR-05 1235
201 MK_REP 17-FEB-04 19-DEC-07 1402
114 ST_CLERK 24-MAR-06 31-DEC-07 648
122 ST_CLERK 01-JAN-07 31-DEC-07 365
200 AD_ASST 17-SEP-95 17-JUN-01 2101
176 SA_REP 24-MAR-06 31-DEC-06 283
176 SA_MAN 01-JAN-07 31-DEC-07 365
200 AC_ACCOUNT 01-JUL-02 31-DEC-06 1645
10 rows selected.
SQL>

SQL


Oracle SQL Developer : hr_12c
File Edit View Navigate Run Versioning Tools Help
hr_12c
Worksheet Query Builder
SELECT 365.25 * 24 * 60 * 60 "Seconds in a year"
FROM dual;
Query Result
SQL | All Rows Fetched: 1 in 0.004 seconds
Seconds in a year
1 31557600
Line 7 Column 1 | Insert | Modified | Windows: CR/LF | Editing

SQL

LITERALS PROCESSING

SELECT 'literal '||'processing using the REGIONS table' FROM regions;

SQL

LITERALS PROCESSING

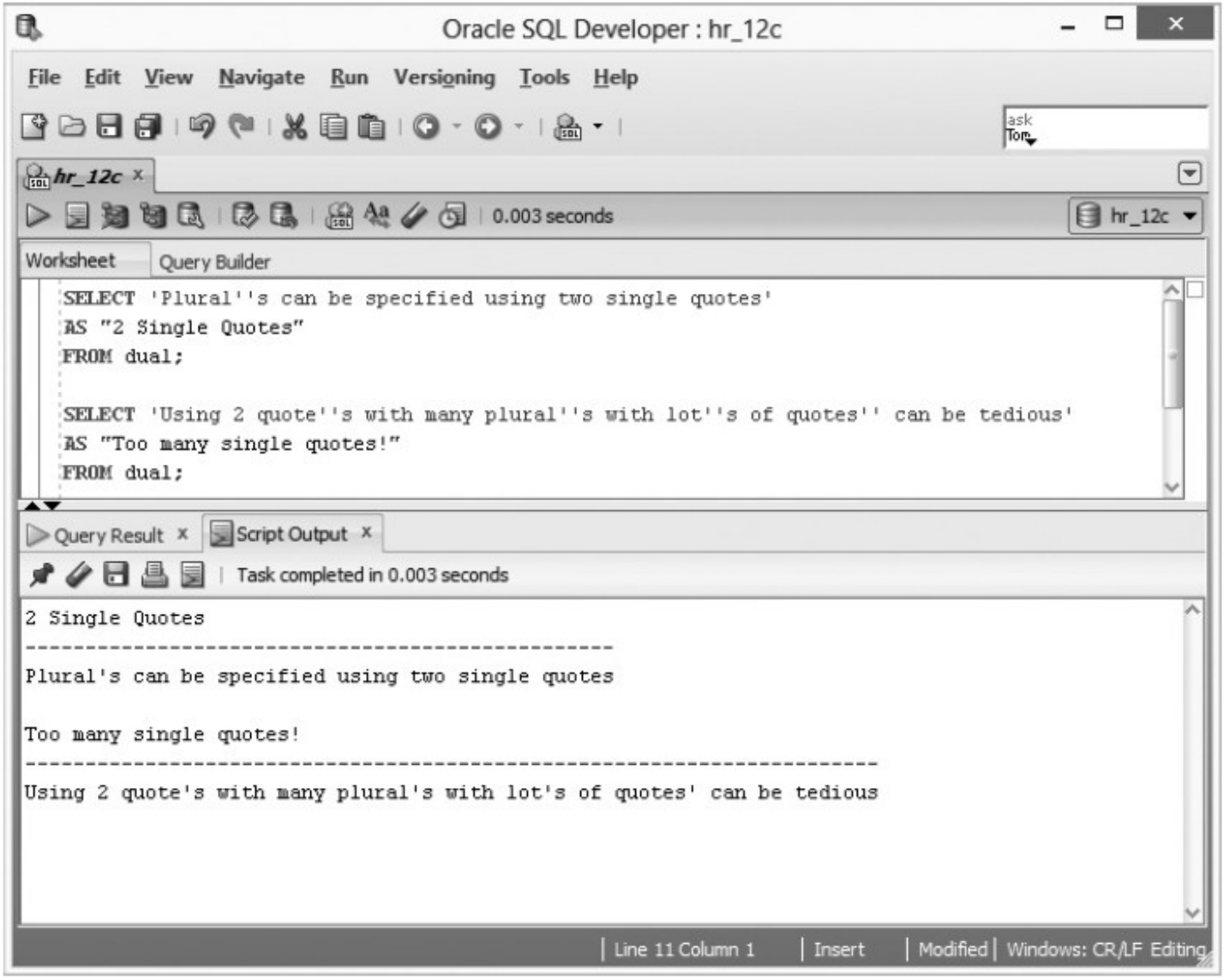
SELECT 'literal '||'processing using the REGIONS table' FROM regions;

SELECT 'I am a character literal string' FROM dual;

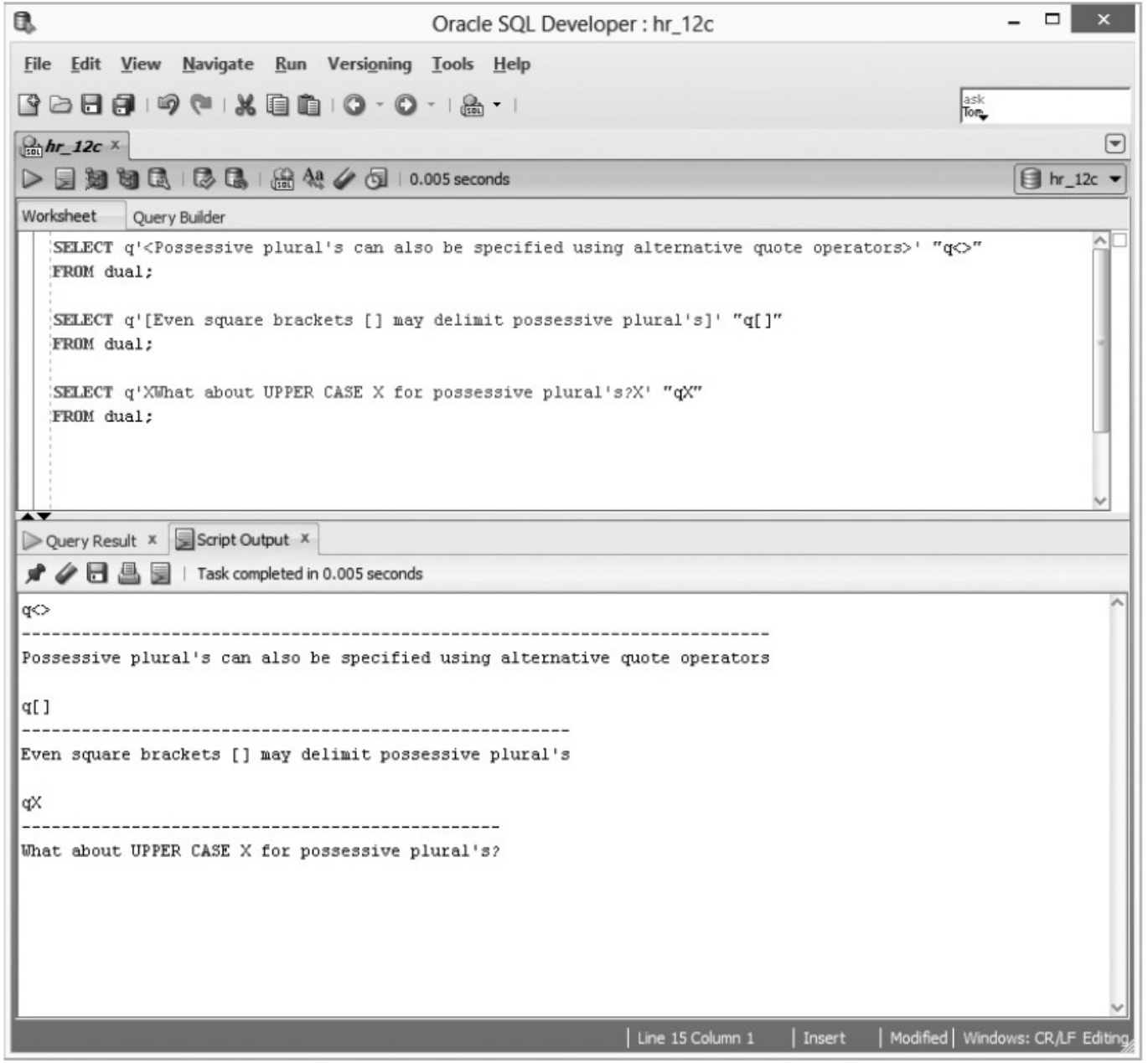
...

SELECT 'Plural's have one quote too many' FROM dual;
SELECT 'Plural's

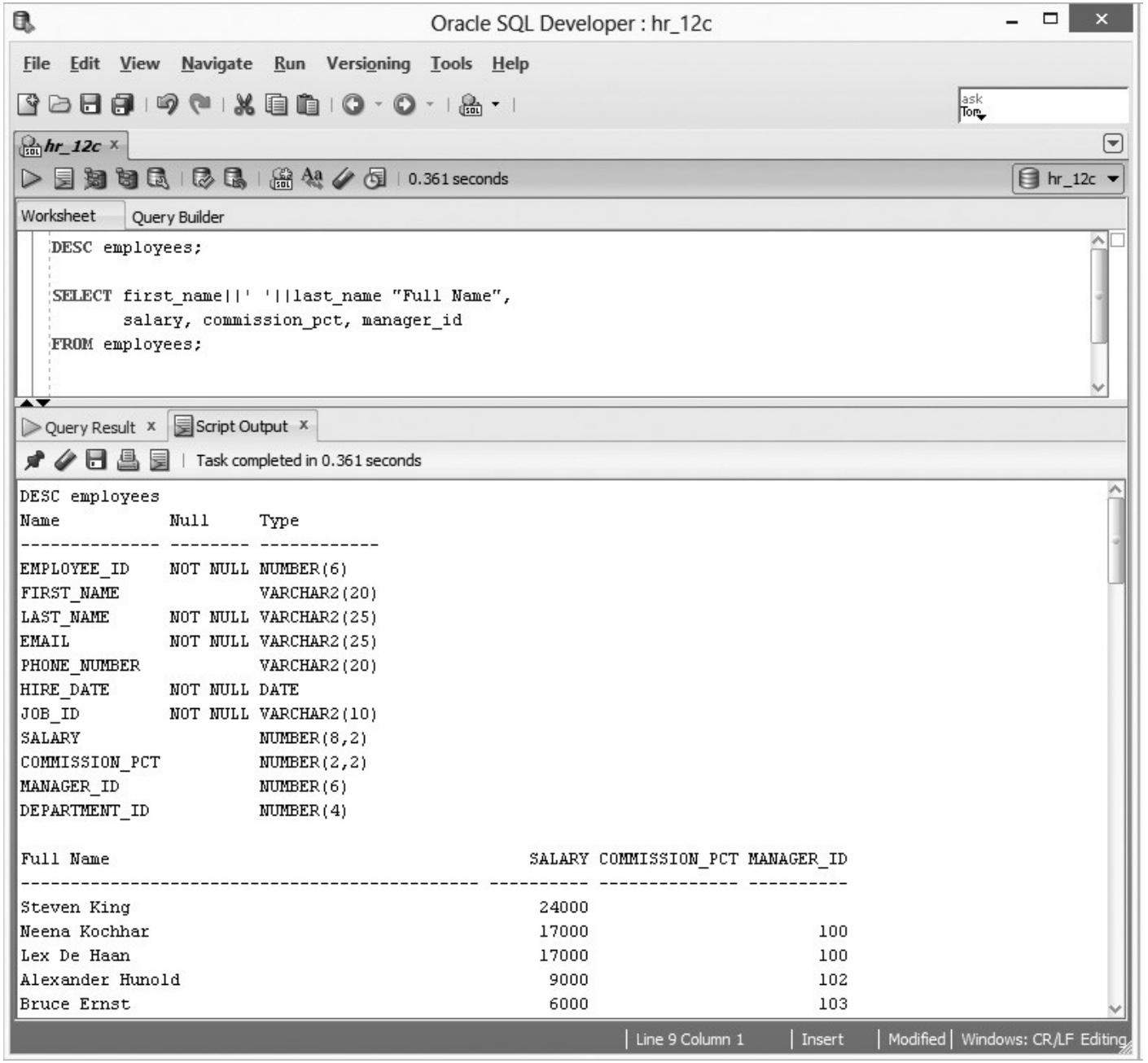
SQL


Oracle SQL Developer : hr_12c
File Edit View Navigate Run Versioning Tools Help
hr_12c
0.003 seconds
hr_12c
Worksheet
Query Builder
SELECT 'Plural''s can be specified using two single quotes'
AS "2 Single Quotes"
FROM dual;
SELECT 'Using 2 quote''s with many plural''s with lot''s of quotes'' can be tedious'
AS "Too many single quotes!"
FROM dual;
Query Result
Script Output
Task completed in 0.003 seconds
2 Single Quotes
Plural's can be specified using two single quotes
Too many single quotes!
Using 2 quote's with many plural's with lot's of quotes' can be tedious
Line 11 Column 1
Insert
Modified
Windows: CR/LF
Editing

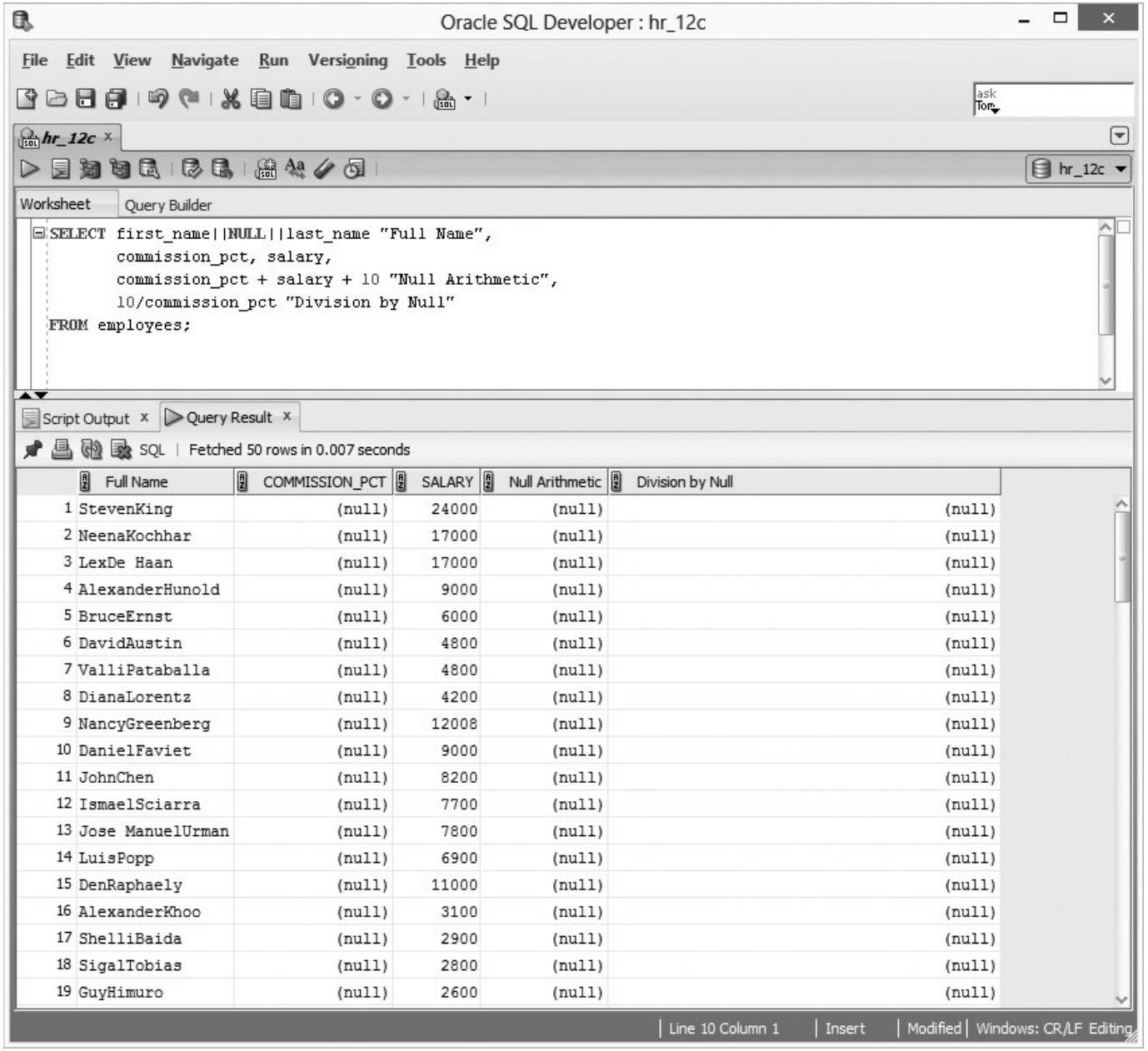
SQL


Oracle SQL Developer : hr_12c
File Edit View Navigate Run Versioning Tools Help
hr_12c
0.005 seconds
hr_12c
Worksheet Query Builder
SELECT q'<Possessive plural's can also be specified using alternative quote operators>' "q<>"
FROM dual;
SELECT q'[Even square brackets [] may delimit possessive plural's]' "q[]"
FROM dual;
SELECT q'XWhat about UPPER CASE X for possessive plural's?X' "qX"
FROM dual;
Query Result
Script Output
Task completed in 0.005 seconds
q<>
Possessive plural's can also be specified using alternative quote operators
q[]
Even square brackets [] may delimit possessive plural's
qX
What about UPPER CASE X for possessive plural's?
Line 15 Column 1
Insert
Modified
Windows: CR/LF
Editing

SQL


Oracle SQL Developer : hr_12c
File Edit View Navigate Run Versioning Tools Help
hr_12c
0.361 seconds
hr_12c
Worksheet
Query Builder
DESC employees;
SELECT first_name||' '||last_name "Full Name",
salary, commission_pct, manager_id
FROM employees;
Query Result
Script Output
Task completed in 0.361 seconds
DESC employees
Name Null Type
EMPLOYEE_ID NOT NULL NUMBER(6)
FIRST_NAME VARCHAR2(20)
LAST_NAME NOT NULL VARCHAR2(25)
EMAIL NOT NULL VARCHAR2(25)
PHONE_NUMBER VARCHAR2(20)
HIRE_DATE NOT NULL DATE
JOB_ID NOT NULL VARCHAR2(10)
SALARY NUMBER(8,2)
COMMISSION_PCT NUMBER(2,2)
MANAGER_ID NUMBER(6)
DEPARTMENT_ID NUMBER(4)
Full Name SALARY COMMISSION_PCT MANAGER_ID
Steven King 24000
Neena Kochhar 17000 100
Lex De Haan 17000 100
Alexander Hunold 9000 102
Bruce Ernst 6000 103
Line 9 Column 1
Insert
Modified
Windows: CR/LF
Editing

SQL


Oracle SQL Developer : hr_12c
File Edit View Navigate Run Versioning Tools Help
hr_12c
Worksheet Query Builder
SELECT first_name||NULL||last_name "Full Name",
commission_pct, salary,
commission_pct + salary + 10 "Null Arithmetic",
10/commission_pct "Division by Null"
FROM employees;
Script Output
Query Result
SQL | Fetched 50 rows in 0.007 seconds
Full Name | COMMISSION_PCT | SALARY | Null Arithmetic | Division by Null
1 StevenKing (null) 24000 (null) (null)
2 NeenaKochhar (null) 17000 (null) (null)
3 LexDe Haan (null) 17000 (null) (null)
4 AlexanderHunold (null) 9000 (null) (null)
5 BruceErnst (null) 6000 (null) (null)
6 DavidAustin (null) 4800 (null) (null)
7 ValliPataballa (null) 4800 (null) (null)
8 DianaLorentz (null) 4200 (null) (null)
9 NancyGreenberg (null) 12008 (null) (null)
10 DanielFaviet (null) 9000 (null) (null)
11 JohnChen (null) 8200 (null) (null)
12 IsmaelSciarra (null) 7700 (null) (null)
13 Jose ManuelUrman (null) 7800 (null) (null)
14 LuisPopp (null) 6900 (null) (null)
15 DenRaphaely (null) 11000 (null) (null)
16 AlexanderKhoo (null) 3100 (null) (null)
17 ShelliBaida (null) 2900 (null) (null)
18 SigalTobias (null) 2800 (null) (null)
19 GuyHimuro (null) 2600 (null) (null)
Line 10 Column 1 | Insert | Modified | Windows: CR/LF Editing