

George Suarez
CSE 572
January 29, 2019

Lab 3

```
SQL> select * from HR.departments;  
PRESS RETURN TO CONTINUE
```

DEPARTMENT_ID	DEPARTMENT_NAME	MANAGER_ID	LOCATION_ID
10	Administration	200	1700
20	Marketing	201	1800
30	Purchasing	114	1700
40	Human Resources	203	2400
50	Shipping	121	1500
60	IT	103	1400
70	Public Relations	204	2700
80	Sales	145	2500
90	Executive	100	1700
100	Finance	108	1700
110	Accounting	205	1700
120	Treasury		1700
130	Corporate Tax		1700
140	Control And Credit		1700
150	Shareholder Services		1700
160	Benefits		1700
170	Manufacturing		1700
180	Construction		1700
190	Contracting		1700
200	Operations		1700
210	IT Support		1700
220	NOC		1700
230	IT Helpdesk		1700
240	Government Sales		1700
250	Retail Sales		1700
260	Recruiting		1700
270	Payroll		1700

27 rows selected.

```
SQL> spool off
```

```
SQL> SELECT COUNT(EMPLOYEE_ID)
  2   FROM HR.EMPLOYEES
  3   WHERE SALARY > 15000 AND HIRE_DATE BETWEEN '01-JAN-02' AND '01-
JAN-05';
PRESS RETURN TO CONTINUE
COUNT(EMPLOYEE_ID)
-----
                        1
```

SQL> spool off

```
SQL> SELECT COUNT(PHONE_NUMBER)
  2   FROM HR.EMPLOYEES
  3   WHERE PHONE_NUMBER NOT LIKE '515.%%.%%.%%';
PRESS RETURN TO CONTINUE
COUNT(PHONE_NUMBER)
-----
                        86
```

SQL> spool off

```
SQL> SELECT FIRST_NAME || ' ' || LAST_NAME
  2   FROM EMPLOYEES
  3   WHERE DEPARTMENT_ID=100
  4   ORDER BY FIRST_NAME;
PRESS RETURN TO CONTINUE
FIRST_NAME||' '||LAST_NAME
-----
Daniel Faviet
Ismael Sciarra
John Chen
Jose Manuel Urman
Luis Popp
Nancy Greenberg
```

6 rows selected.

SQL> spool off

```
SQL> SELECT CITY, STATE_PROVINCE, COUNTRY_NAME
2 FROM COUNTRIES
3 JOIN LOCATIONS USING (COUNTRY_ID)
4 JOIN REGIONS USING (REGION_ID)
5 WHERE REGION_ID = 3;
```

PRESS RETURN TO CONTINUE

CITY	STATE_PROVINCE	COUNTRY_NAME
Tokyo	Tokyo Prefecture	Japan
Hiroshima		Japan
Beijing		China
Bombay	Maharashtra	India
Sydney	New South Wales	Australia
Singapore		Singapore

6 rows selected.

```
SQL> spool off
```

```
SQL> SELECT * FROM LOCATIONS WHERE STATE_PROVINCE IS NULL OR
STATE_PROVINCE='';
```

PRESS RETURN TO CONTINUE

LOCATION_ID	STREET_ADDRESS	POSTAL_CODE	CITY	STATE_PROVINCE	CO
1000	1297 Via Cola di Rie	00989	Roma		IT
1100	93091 Calle della Testa	10934	Venice		IT
1300	9450 Kamiya-cho	6823	Hiroshima		JP
2000	40-5-12 Laogianggen	190518	Beijing		CN
2300	198 Clementi North	540198	Singapore		SG
2400	8204 Arthur St		London		UK

6 rows selected.

```
SQL> spool off
```

The DUAL table can be used for performing operations using the SELECT statement such as doing: 'SELECT 4 * 5 FROM DUAL;' which will return 20 as a result. It can also be used to retrieve the current system's date and time by performing 'SELECT SYSDATE FROM DUAL;' .