

Michael Longstreth
Module 2
August 6, 2017

1.

```
SQL> SELECT last_name, first_name, job_id, ROUND(salary*.18273,2) AS "Fed_State_Withholding"  
2 FROM employees  
3 ORDER BY job_id ASC, last_name ASC;
```

LAST_NAME	FIRST_NAME	JOB_ID	Fed_State_Withholding
Gietz	William	AC_ACCOUNT	1516.66
Higgins	Shelley	AC_MGR	2192.76
Whalen	Jennifer	AD_ASST	804.01
King	Steven	AD PRES	4385.52
De Haan	Lex	AD_VP	3106.41
Kochhar	Neena	AD_VP	3106.41
Chen	John	FI_ACCOUNT	1498.39
Faviet	Daniel	FI_ACCOUNT	1644.57
Popp	Luis	FI_ACCOUNT	1260.84
Sciarra	Ismael	FI_ACCOUNT	1407.02
Urman	Jose Manuel	FI_ACCOUNT	1425.29

LAST_NAME	FIRST_NAME	JOB_ID	Fed_State_Withholding
Greenberg	Nancy	FI_MGR	2192.76
Mavris	Susan	HR_REP	1187.75
Austin	David	IT_PROG	877.1
Ernst	Bruce	IT_PROG	1096.38
Hunold	Alexander	IT_PROG	1644.57

Olson	TJ	ST_CLERK	383.73
Patel	Joshua	ST_CLERK	456.83
Philtanker	Hazel	ST_CLERK	402.01
Rajs	Trenna	ST_CLERK	639.56
Rogers	Michael	ST_CLERK	529.92

LAST_NAME	FIRST_NAME	JOB_ID	Fed_State_Withholding
Seo	John	ST_CLERK	493.37
Stiles	Stephen	ST_CLERK	584.74
Vargas	Peter	ST_CLERK	456.83
Fripp	Adam	ST_MAN	1498.39
Kaufling	Payam	ST_MAN	1443.57
Mourgos	Kevin	ST_MAN	1059.83
Vollman	Shanta	ST_MAN	1187.75
Weiss	Matthew	ST_MAN	1461.84

107 rows selected.

2.

```
SQL> SELECT MIN(pay_raise), MEDIAN(pay_raise), MAX(pay_raise)
2 FROM salary_raise
3 WHERE eff_date = '1-JUL-2006';
```

MIN(PAY_RAISE)	MEDIAN(PAY_RAISE)	MAX(PAY_RAISE)
63	195	720

3.

```
SQL> SELECT location_id, city, state_province, NVL(state_province, city) AS "State_Province_City"  
2 FROM locations  
3 ORDER BY country_id ASC, city ASC;
```

LOCATION_ID	CITY	STATE_PROVINCE
2200	Sydney	New South Wales

2800	Sao Paulo	Sao Paulo
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1800	Toronto	Ontario
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LOCATION_ID	CITY	STATE_PROVINCE
1900	Whitehorse	Yukon

LOCATION_ID	CITY	STATE_PROVINCE
2300	Singapore	Singapore

2400	London	London
2500	Oxford	Oxford

LOCATION_ID	CITY	STATE_PROVINCE
2600	Stretford	Manchester

1700	Seattle	Washington
1600	South Brunswick	New Jersey

LOCATION_ID	CITY	STATE_PROVINCE
1500	South San Francisco	California
1400	Southlake	Texas

23 rows selected.

4.

```
SQL> SELECT region_id, region_name, TRUNC(TO_DATE('17-JUNE-2014', 'DD-MON-YYYY'), 'MON') AS "Trunc", ROUND(TO_DATE('17-JUN-2014', 'DD-MON-YYYY'), 'MON') AS "Round"
2 FROM regions;

REGION_ID REGION_NAME      Trunc      Round
-----
1 Europe      01-JUN-14 01-JUL-14
2 Americas    01-JUN-14 01-JUL-14
3 Asia        01-JUN-14 01-JUL-14
4 Middle East and Africa 01-JUN-14 01-JUL-14
```

5.

```
SQL> SELECT hire_date, UPPER(last_name) || ', ' || INITCAP(first_name) AS "Full_Name"
2 FROM employees
3 ORDER BY hire_date DESC;
```

```
HIRE_DATE Full_Name
-----
21-APR-00 KUMAR, Sundita
21-APR-00 BANDA, Amit
24-MAR-00 ANDE, Sundar
08-MAR-00 MARKLE, Steven
23-FEB-00 LEE, David
06-FEB-00 PHILTANKER, Hazel
03-FEB-00 GEONI, Girard
29-JAN-00 ZLOTKEY, Eleni
24-JAN-00 MARVINS, Mattea
13-JAN-00 GRANT, Douglas
04-JAN-00 JOHNSON, Charles
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17-OCT-95 RAJS, Trena
14-JUL-95 LADWIG, Renske
18-MAY-95 KHOO, Alexander
01-MAY-95 KAUFLING, Payam
07-DEC-94 RAPHAELY, Den
17-AUG-94 GREENBERG, Nancy
16-AUG-94 FAVIET, Daniel
07-JUN-94 MAVRIS, Susan
07-JUN-94 BAER, Hermann

HIRE_DATE Full_Name
-----
07-JUN-94 HIGGINS, Shelley
07-JUN-94 GIETZ, William
13-JAN-93 DE HAAN, Lex
21-MAY-91 ERNST, Bruce
03-JAN-90 HUNOLD, Alexander
21-SEP-89 KOCHHAR, Neena
17-SEP-87 WHALEN, Jennifer
17-JUN-87 KING, Steven

107 rows selected.
```

6.

```
SQL> COLUMN street_number FOR a20
SQL> SELECT location_id, city, country_id, SUBSTR(street_address, 1, INSTR(street_address, ' ', 1)) AS street_number
   2 FROM locations
   3 WHERE location_id < 2000;
```

LOCATION_ID	CITY	CO	STREET_NUMBER
1000	Roma	IT	1297
1100	Venice	IT	93091
1200	Tokyo	JP	2017
1300	Hiroshima	JP	9450
1400	Southlake	US	2014
1500	South San Francisco	US	2011
1600	South Brunswick	US	2007
1700	Seattle	US	2004
1800	Toronto	CA	147
1900	Whitehorse	CA	6092

10 rows selected.