Michael Longstreth
COMPSCIX451.1-002
August 1, 2017

**Module 1:**

1.

```
SQL> SELECT first_name, last_name, salary, manager_id
  2  FROM employees
  3  WHERE manager_id IS NULL;

FIRST_NAME           LAST_NAME                    SALARY MANAGER_ID
-------------------- ------------------------ ---------- ----------
Steven               King                          24000

SQL>
```

2.

```
SQL> SELECT first_name, last_name, salary, job_id
  2  FROM employees
  3  ORDER BY job_id ASC, salary DESC;

FIRST_NAME           LAST_NAME                    SALARY JOB_ID
-------------------- ------------------------ ---------- ----------
William              Gietz                          8300 AC_ACCOUNT
Shelley              Higgins                        12000 AC_MGR
Jennifer             Whalen                          4400 AD_ASST
Steven               King                           24000 AD_PRES
Lex                  De Haan                        17000 AD_VP
Neena                Kochhar                        17000 AD_VP
Daniel               Faviet                          9000 FI_ACCOUNT
John                 Chen                            8200 FI_ACCOUNT
Jose Manuel          Urman                           7800 FI_ACCOUNT
Ismael               Sciarra                         7700 FI_ACCOUNT
Luis                 Popp                            6900 FI_ACCOUNT
Nancy                Greenberg                      12000 FI_MGR
Susan                Mavris                          6500 HR_REP
Alexander            Hunold                          9000 IT_PROG
Bruce                Ernst                           6000 IT_PROG
David                Austin                          4800 IT_PROG
Valli                Pataballa                       4800 IT_PROG
Diana                Lorentz                         4200 IT_PROG
Michael              Hartstein                      13000 MK_MAN
Pat                  Fay                             6000 MK_REP
Hermann              Baer                           10000 PR_REP
Alexander            Khoo                            3100 PU_CLERK
Shelli               Baida                           2900 PU_CLERK
Sigal                Tobias                          2800 PU_CLERK
Guy                  Himuro                          2600 PU_CLERK
Karen                Colmenares                      2500 PU_CLERK
Den                  Raphaely                       11000 PU_MAN
John                 Russell                        14000 SA_MAN
Karen                Partners                       13500 SA_MAN
Alberto              Errazuriz                      12000 SA_MAN
Gerald               Cambrault                      11000 SA_MAN
```

```
Peter                Vargas                          2500 ST_CLERK
Joshua               Patel                           2500 ST_CLERK
James                Landry                          2400 ST_CLERK
Ki                   Gee                             2400 ST_CLERK

FIRST_NAME           LAST_NAME                    SALARY JOB_ID
-------------------- ------------------------ ---------- ----------
Hazel                Philtanker                      2200 ST_CLERK
Steven               Markle                          2200 ST_CLERK
TJ                   Olson                           2100 ST_CLERK
Adam                 Fripp                           8200 ST_MAN
Matthew              Weiss                           8000 ST_MAN
Payam                Kaufling                        7900 ST_MAN
Shanta               Vollman                         6500 ST_MAN
Kevin                Mourgos                         5800 ST_MAN

107 rows selected.
```

3.

```
SQL> SELECT last_name, salary, job_id, hire_date
  2  FROM employees
  3  WHERE hire_date > '31-DEC-1999'
  4  ORDER BY hire_date ASC;

LAST_NAME                      SALARY JOB_ID      HIRE_DATE
------------------------- ---------- ---------- ---------
Johnson                          6200 SA_REP      04-JAN-00
Grant                            2600 SH_CLERK    13-JAN-00
Marvins                          7200 SA_REP      24-JAN-00
Zlotkey                         10500 SA_MAN      29-JAN-00
Geoni                            2800 SH_CLERK    03-FEB-00
Philtanker                       2200 ST_CLERK    06-FEB-00
Lee                              6800 SA_REP      23-FEB-00
Markle                           2200 ST_CLERK    08-MAR-00
Ande                             6400 SA_REP      24-MAR-00
Banda                            6200 SA_REP      21-APR-00
Kumar                            6100 SA_REP      21-APR-00

11 rows selected.
```

4.

```
SQL> SELECT last_name, first_name, hire_date, salary, phone_number
  2  FROM employees
  3  WHERE salary BETWEEN 10000 AND 20000
  4  ORDER BY salary DESC, last_name ASC;

LAST_NAME                FIRST_NAME           HIRE_DATE    SALARY
------------------------ -------------------- --------- ----------
PHONE_NUMBER
-------------------
De Haan                  Lex                  13-JAN-93     17000
515.123.4569

Kochhar                  Neena                21-SEP-89     17000
515.123.4568

Russell                  John                 01-OCT-96     14000
011.44.1344.429268


LAST_NAME                FIRST_NAME           HIRE_DATE    SALARY
------------------------ -------------------- --------- ----------
PHONE_NUMBER
-------------------
Partners                 Karen                05-JAN-97     13500
011.44.1344.467268

Hartstein                Michael              17-FEB-96     13000
515.123.5555

Errazuriz                Alberto              10-MAR-97     12000
011.44.1344.429278
```

```
Baer                     Hermann              07-JUN-94     10000
515.123.8888

LAST_NAME                FIRST_NAME           HIRE_DATE    SALARY
------------------------ -------------------- --------- ----------
PHONE_NUMBER
-------------------
Bloom                    Harrison             23-MAR-98     10000
011.44.1343.829268

King                     Janette              30-JAN-96     10000
011.44.1345.429268

Tucker                   Peter                30-JAN-97     10000
011.44.1344.129268

18 rows selected.
```

5.

```
SQL> SELECT last_name, first_name, salary
  2  FROM employees
  3  WHERE last_name LIKE '__e___';

LAST_NAME                 FIRST_NAME              SALARY
------------------------- -------------------- ----------
Greene                    Danielle                   9500
Fleaur                    Jean                       3100
Feeney                    Kevin                      3000
```

6.

```
SQL> SELECT last_name, first_name, salary, department_id
  2  FROM employees
  3  WHERE department_id != 80 OR department_id IS NULL
  4  ORDER BY department_id ASC, last_name ASC;

LAST_NAME                   FIRST_NAME                SALARY DEPARTMENT_ID
--------------------------- --------------------- ---------- -------------
Whalen                      Jennifer                    4400            10
Fay                         Pat                         6000            20
Hartstein                   Michael                    13000            20
Baida                       Shelli                      2900            30
Colmenares                  Karen                       2500            30
Himuro                      Guy                         2600            30
Khoo                        Alexander                   3100            30
Raphaely                    Den                        11000            30
Tobias                      Sigal                       2800            30
Mavris                      Susan                       6500            40
Atkinson                    Mozhe                       2800            50

LAST_NAME                   FIRST_NAME                SALARY DEPARTMENT_ID
--------------------------- --------------------- ---------- -------------
Bell                        Sarah                       4000            50
Bissot                      Laura                       3300            50
Bull                        Alexis                      4100            50
Cabrio                      Anthony                     3000            50
Chung                       Kelly                       3800            50
Davies                      Curtis                      3100            50
Dellinger                   Julia                       3400            50
```

```
De Haan                     Lex                        17000            90
King                        Steven                     24000            90
Kochhar                     Neena                      17000            90
Chen                        John                        8200           100
Faviet                      Daniel                      9000           100

LAST_NAME                   FIRST_NAME                SALARY DEPARTMENT_ID
--------------------------- --------------------- ---------- -------------
Greenberg                   Nancy                      12000           100
Popp                        Luis                        6900           100
Sciarra                     Ismael                      7700           100
Urman                       Jose Manuel                 7800           100
Gietz                       William                     8300           110
Higgins                     Shelley                    12000           110
Grant                       Kimberely                   7000

73 rows selected.
```