

Michael Longstreth
Module7
November 28, 2017

1.

```
SQL> 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)
```

```
SQL> SELECT MAX(employee_id)
2 FROM employees;

MAX(EMPLOYEE_ID)
-----
                206
```

```
SQL> SELECT DISTINCT(job_id)
  2  FROM jobs;

JOB_ID
-----
AD_PRES
AD_VP
AD_ASST
FI_MGR
FI_ACCOUNT
AC_MGR
AC_ACCOUNT
SA_MAN
SA_REP
PU_MAN
PU_CLERK

JOB_ID
-----
ST_MAN
ST_CLERK
SH_CLERK
IT_PROG
MK_MAN
MK_REP
HR_REP
PR_REP

19 rows selected.
```

```
SQL> INSERT INTO employees(employee_id, last_name, email, hire_date, job_id)
  2  Values (207, 'Longstreth', 'mlonstreth@test.com', '07-NOV-17', 'AD_VP');

1 row created.
```

```
SQL> SELECT employee_id, last_name, email, hire_date, job_id
  2  FROM employees
  3  WHERE employee_id = 207;
```

EMPLOYEE_ID	LAST_NAME	EMAIL	HIRE_DATE	JOB_ID
207	Longstreth	mlonstreth@test.com	07-NOV-17	AD_VP

2.

```
SQL> UPDATE employees
  2  SET first_name = 'Michael'
  3  WHERE employee_id = 207;

1 row updated.
```

```
SQL> UPDATE employees
  2 SET email = LOWER(SUBSTR(first_name,1,1) || '.' || last_name || '@company.com')
  3 WHERE employee_id = 207;

1 row updated.
```

```
SQL> SELECT employee_id, first_name, last_name, email, hire_date, job_id
  2 FROM employees
  3 WHERE employee_id = 207;
```

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	HIRE_DATE	JOB_ID
207	Michael	Longstreth	m.longstreth@company.com	07-NOV-17	AD_VP

3.

```
SQL> SELECT employee_id, job_id
  2 FROM employees
  3 WHERE job_id = 'PU_CLERK';
```

EMPLOYEE_ID	JOB_ID
115	PU_CLERK
116	PU_CLERK
117	PU_CLERK
118	PU_CLERK
119	PU_CLERK

```
SQL> DELETE FROM employees
  2 WHERE job_id =
  3 (
  4     SELECT job_id
  5     FROM jobs
  6     WHERE job_id = 'PU_CLERK'
  7 )
  8 AND employee_id != 117;

4 rows deleted.
```

```
SQL> SELECT employee_id, job_id
  2 FROM employees
  3 WHERE job_id = 'PU_CLERK';
```

EMPLOYEE_ID	JOB_ID
117	PU_CLERK