Feb 12, 2018

Week 6

DML -- Data Manipulation Language

Inserting rows onto a table

Q65. A new department has been created. The id is 81, Public Affairs
at location 1700.
The manager of the new department is King.

```
mysql> desc departments;
+----------------+-------------+------+-----+---------+-------+
| Field          | Type        | Null | Key | Default | Extra |
+----------------+-------------+------+-----+---------+-------+
| Department_Id  | decimal(4,0)| NO   | PRI | NULL    |       |
| Department_Name| varchar(30) | NO   |     | NULL    |       |
| Manager_Id     | decimal(6,0)| YES  |     | NULL    |       |
| Location_Id    | decimal(4,0)| YES  |     | NULL    |       |
+----------------+-------------+------+-----+---------+-------+
4 rows in set (0.03 sec)
```

Find the employee id of King

```
mysql>
mysql>
mysql> select employee_id
    -> from employees
    -> where last_name = 'King';
+-------------+
| employee_id |
+-------------+
|         100 |
+-------------+
1 row in set (0.05 sec)

mysql> Insert INTO
Departments(Department_id,Department_name,Manager_id,Location_id)
    -> Values (81,'Public Affairs',100,1700);
Query OK, 1 row affected (0.06 sec)

mysql> select *
    -> from departments;
+---------------+-----------------+------------+-------------+
| Department_Id | Department_Name | Manager_Id | Location_Id |
+---------------+-----------------+------------+-------------+
|            10 | Administration  |        200 |        1700 |
|            20 | Marketing       |        201 |        1800 |
```

```
|          50 | Shipping        |          124 |         1500 |
|          60 | IT              |          103 |         1400 |
|          80 | Sales           |          149 |         2500 |
|          81 | Public Affairs  |          100 |         1700 |
|          90 | Executive       |          100 |         1700 |
|         110 | Accounting      |          205 |         1700 |
|         190 | Contracting     |         NULL |         1700 |
+-------------+-----------------+--------------+--------------+
9 rows in set (0.00 sec)
```

Q66. Insert department 89, Day Care Services at location 1700 onto the departments table.
The manager has not been assigned yet.

```
mysql> desc departments;
+-----------------+-------------+------+-----+---------+-------+
| Field           | Type        | Null | Key | Default | Extra |
+-----------------+-------------+------+-----+---------+-------+
| Department_Id   | decimal(4,0)| NO   | PRI | NULL    |       |
| Department_Name | varchar(30) | NO   |     | NULL    |       |
| Manager_Id      | decimal(6,0)| YES  |     | NULL    |       |
<-----
| Location_Id     | decimal(4,0)| YES  |     | NULL    |       |
+-----------------+-------------+------+-----+---------+-------+
4 rows in set (0.03 sec)

mysql> Insert Into Departments
    -> Values(89, 'Day Care Services',null, 1700);
Query OK, 1 row affected (0.05 sec)

mysql> select *
    -> from departments;
+---------------+-------------------+--------------+--------------+
| Department_Id | Department_Name   | Manager_Id   | Location_Id  |
+---------------+-------------------+--------------+--------------+
|            10 | Administration    |          200 |         1700 |
|            20 | Marketing         |          201 |         1800 |
|            50 | Shipping          |          124 |         1500 |
|            60 | IT                |          103 |         1400 |
|            80 | Sales             |          149 |         2500 |
|            81 | Public Affairs    |          100 |         1700 |
|            89 | Day Care Services |         NULL |         1700 |
|            90 | Executive         |          100 |         1700 |
|           110 | Accounting        |          205 |         1700 |
|           190 | Contracting       |         NULL |         1700 |
+---------------+-------------------+--------------+--------------+
10 rows in set (0.00 sec)
```

Example of entering null values where null values are not accepted


```
mysql> Insert Into Departments
    -> Values(99, null,null, 1700);
ERROR 1048 (23000): Column 'Department_Name' cannot be null
```


Q67. Add Shipping and Handling with id 95 to the table departments

Example: Not mentioning the column names where the information should be inserted

```
mysql> Insert Into Departments
    -> Values(95, 'Shipping and Handling');
ERROR 1136 (21S01): Column count doesn't match value count at row 1
```

Corrected version: Name the columns where the information should go.

```
mysql> Insert Into Departments(department_id, department_name)
    -> Values(95, 'Shipping and Handling');
Query OK, 1 row affected (0.11 sec)
```


=====
Deleting rows from a table

Q68. Remove the shipping and handling department from the database.

```
mysql> Delete
    -> from Departments
    -> where department_name = 'Shipping and Handling';
Query OK, 1 row affected (0.05 sec)
```

```
mysql> select *
    -> from departments;
+---------------+-------------------+------------+-------------+
| Department_Id | Department_Name   | Manager_Id | Location_Id |
+---------------+-------------------+------------+-------------+
|            10 | Administration    |        200 |        1700 |
|            20 | Marketing         |        201 |        1800 |
|            50 | Shipping          |        124 |        1500 |
|            60 | IT                |        103 |        1400 |
|            80 | Sales             |        149 |        2500 |
|            81 | Public Affairs    |        100 |        1700 |
|            89 | Day Care Services |       NULL |        1700 |
|            90 | Executive         |        100 |        1700 |
|           110 | Accounting        |        205 |        1700 |
|           190 | Contracting       |       NULL |        1700 |
+---------------+-------------------+------------+-------------+
```

```
10 rows in set (0.00 sec)
```

Q69. Remove all employees working for the IT department.

```
mysql>Delete
    ->From employees
    ->where department_id = (Select department_id
    ->                         From departments
    ->                          Where department_name = 'IT');
```

Q70. Remove from the database al the departments located in Seattle.

```
mysql>Delete
    ->from departments
    ->where location_id = (select location_id
    ->                       from locations
    ->                        where city = 'Seattle');
```

====
Updating Rows from a table

Q71. The employee whose id is 176 will be working for department 81
Do the update
```
mysql> Select department_id
    -> from employees
    -> where employee_id = 176;
+---------------+
| department_id |
+---------------+
|            80 |
+---------------+
1 row in set (0.01 sec)

mysql> UPDATE Employees
    -> SET department_id = 81
    -> where employee_id = 176;
Query OK, 1 row affected (0.05 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql>
mysql>
mysql> Select department_id
    -> from employees
    -> where employee_id = 176;
+---------------+
| department_id |
+---------------+
```

```
|              81 |
+----------------+
1 row in set (0.00 sec)


Q72. The department Public Affairs has been renamed Public Services
and the new manager id is 102

mysql> Select department_name, manager_id
    -> from departments
    -> where department_name = 'Public Affairs';
+-----------------+------------+
| department_name | manager_id |
+-----------------+------------+
| Public Affairs  |        100 |
+-----------------+------------+
1 row in set (0.00 sec)

mysql> UPdate Departments
    -> Set department_name = 'Public Services', manager_id = 102
    -> where department_name = 'Public Affairs';
Query OK, 1 row affected (0.05 sec)
Rows matched: 1  Changed: 1  Warnings: 0


mysql> Select department_name, manager_id
    -> from departments
    -> where department_name = 'Public Services';
+-----------------+------------+
| department_name | manager_id |
+-----------------+------------+
| Public Services |        102 |
+-----------------+------------+
1 row in set (0.00 sec)


Q73. The Contracting department has a new manager. The name of th enew
manager is King.
Do the update.

mysql> UPDATE Departments
    -> SET manager_id = (Select employee_id
    ->                   from employees
    ->                   where last_name = 'King')
    -> Where department_name = 'Contracting';
Query OK, 1 row affected (0.05 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
======================
DDL -- Data Definition Language


mysql> Create database Julyreg;
Query OK, 1 row affected (0.00 sec)

mysql> use Julyreg;
Database changed


Running the Registration script

mysql> Drop Table Registrations;
ERROR 1051 (42S02): Unknown table 'studentsreg.registrations'
mysql> Drop Table CoursesOffered;
ERROR 1051 (42S02): Unknown table 'studentsreg.coursesoffered'
mysql> Drop Table Courses;
ERROR 1051 (42S02): Unknown table 'studentsreg.courses'
mysql> Drop Table Teachers;
ERROR 1051 (42S02): Unknown table 'studentsreg.teachers'
mysql> Drop Table Students;
ERROR 1051 (42S02): Unknown table 'studentsreg.students'
mysql>
mysql>
mysql>
mysql> Create Table Courses
    -> (Cid varchar(7) Primary key,
    ->  Ctitle varchar(30));
Query OK, 0 rows affected (0.45 sec)

mysql>
mysql> Create Table Teachers
    -> (Eid varchar(7) Primary Key,
    ->  TlastName varchar(30),
    ->  TfirstName varchar(30),
    ->  Taddress varchar(50),
    ->  Temail varchar(50),
    ->  TcontactNumber varchar(15));
Query OK, 0 rows affected (0.36 sec)

mysql>
mysql>  Create Table Students
    -> (Sid varchar(7) Primary Key,
    ->  SlastName varchar(30),
    ->  SfirstName varchar(30),
    ->  Saddress varchar(50),
    ->  Semail varchar(50),
    ->  SconctactNumber varchar(15));
```

```
Query OK, 0 rows affected (0.36 sec)

mysql>
mysql>
mysql>  Create Table CoursesOffered
    ->  (Cid varchar(7),
    ->   Csection varchar(5),
    ->   Cterm varchar(10),
    ->   CstarTime time,
    ->   CStartDate Date,
    ->   CendDate Date,
    ->   Clocation varchar(5),
    ->   Eid varchar(7),
    ->   Foreign Key (Cid) References Courses(Cid),
    ->   Foreign Key (Eid) References Teachers(Eid),
    ->   Constraint CoursesOffered_pk Primary Key
(Cid,Csection,Cterm));
Query OK, 0 rows affected (0.53 sec)

mysql>
mysql>   Create Table Registrations
    ->   (Cid varchar(7),
    ->    Csection varchar(5),
    ->    Cterm varchar(10),
    ->    Sid varchar(7),
    ->    Grade varchar(3),
    ->    RegDate timestamp DEFAULT CURRENT_TIMESTAMP ON UPDATE
CURRENT_TIMESTAMP,
    ->    Foreign Key (sid) References Students(Sid),
    ->    Foreign Key (Cid,Csection,Cterm) References
CoursesOffered(Cid,Csection,Cterm),
    ->    Constraint Registrations_pk Primary
Key(Cid,Csection,Cterm,Sid));
Query OK, 0 rows affected (0.55 sec)

mysql>    show tables;
+-----------------------+
| Tables_in_studentsreg |
+-----------------------+
| courses               |
| coursesoffered        |
| registrations         |
| students              |
| teachers              |
+-----------------------+
5 rows in set (0.02 sec)

mysql> desc coursesOffered;
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
```

```
+-----------+-------------+------+-----+---------+-------+
| Cid       | varchar(7)  | NO   | PRI |         |       |
| Csection  | varchar(5)  | NO   | PRI |         |       |
| Cterm     | varchar(10) | NO   | PRI |         |       |
| CstarTime | time        | YES  |     | NULL    |       |
| CStartDate| date        | YES  |     | NULL    |       |
| CendDate  | date        | YES  |     | NULL    |       |
| Clocation | varchar(5)  | YES  |     | NULL    |       |
| Eid       | varchar(7)  | YES  | MUL | NULL    |       |
+-----------+-------------+------+-----+---------+-------+
8 rows in set (0.01 sec)


-- Populate the Students table

mysql> Insert Into Students
    -> Values('4443329','Steven','King','180 Berri',
'SKING@gmail.com','5151234567');
Query OK, 1 row affected (0.05 sec)

mysql>
mysql> Insert Into Students
    -> Values ('4433321','Neena','Kochhar','200 St catherine',
'NKOCHHAR@hotmail.com','5151234568');
Query OK, 1 row affected (0.03 sec)

mysql>
mysql> Insert Into Students
    -> Values ('4445322','Alexander','Hunold',' 3000 Duluth',
'AHUNOLD@aol.com','5904234567');
Query OK, 1 row affected (0.06 sec)

mysql>
mysql> Insert Into Students
    -> Values ('4443322','Bruce','Ernst',' 500 St
Denis','BERNST@gmail.com', '5904234568');
Query OK, 1 row affected (0.05 sec)

mysql>
mysql> Insert Into Students
    -> Values ('4443622','Diana','Lorentz',' 6600 Rue',
'DLORENTZ@gmail.com','5904235567');
Query OK, 1 row affected (0.05 sec)

mysql>
mysql> Insert Into Students
    -> Values ('4446322','Kevin','Mourgos','550 Here',
'KMOURGOS@gmail.com','6501235234');
Query OK, 1 row affected (0.05 sec)
```

```
mysql>
mysql> Insert Into Students
    -> Values ('4447322','Trenna','Rajs','6700 There av',
'TRAJS@hotmail.com','6501218009');
Query OK, 1 row affected (0.02 sec)

mysql>
mysql> Insert Into Students
    -> Values ('4483322','Curtis','Davies','4500 OverThere Av.',
'CDAVIES@hotmail.com','6501212994');
Query OK, 1 row affected (0.05 sec)

mysql>
mysql> Insert Into Students
    -> Values ('4493322','Randall','Matos',' 4389 Jamaica
St','RMATOS@hotmail.com','6501212874');
Query OK, 1 row affected (0.03 sec)

mysql>
mysql> Insert Into Students
    -> Values ('4431322','Peter','Vargas','4678 Rue Berri',
'PVARGAS@hotmail.com','6501212004');
Query OK, 1 row affected (0.03 sec)

mysql>
mysql> Insert Into Students
    -> values ('1113334','Martin','James','1600 St Catherine
West','James.Martin@concordia.ca','5148482424');
Query OK, 1 row affected (0.03 sec)

mysql>
mysql> Insert Into Students
    -> values ('2223334','Messi','Leo','600 St Catherine
West','leo.messi@concordia.ca','5148482626');
Query OK, 1 row affected (0.03 sec)

mysql>
mysql> Insert Into Students
    -> values ('9993339','Suarez','Luis','300 St
Denis','Luis.Suarez@Barcelona.ca','5148482699');
Query OK, 1 row affected (0.03 sec)

mysql>
mysql> Insert Into Students
    -> values ('3335533','Pique','Gerard','333
Laval','Gerard.Pique@Barcelona.ca','5148482633');
Query OK, 1 row affected (0.05 sec)

mysql>
```

```
mysql>
mysql> -- Populate Teachers Table
mysql>
mysql>
mysql> Insert Into Teachers
    -> values('0023456','Messina','Carlos','1250 De Maisonneuve
West','Carlos.Messina@concordia.ca','5148482425');
Query OK, 1 row affected (0.03 sec)

mysql>
mysql>
mysql>     Insert Into Teachers
    -> values('0035070','Brown','Charles','450 St Catherine
West','Charles.Brown@concordia.ca','4508483030');
Query OK, 1 row affected (0.03 sec)

mysql>
mysql> Insert Into Teachers
    -> values('0044777','Martino','Gerrard','7300
Berri','Gerrard.Martino@concordia.ca','5144459988');
Query OK, 1 row affected (0.03 sec)

mysql>
mysql>
mysql>     Insert Into Teachers
    -> values('0058077','White','Ronnie','11450
Laval','Ronnie.White@concordia.ca','4503308888');
Query OK, 1 row affected (0.05 sec)

mysql>
mysql> Insert Into Teachers
    -> values('0065079','Romano','Gino','6500 St
Laurent','Romano.Gino@concordia.ca','5147330990');
Query OK, 1 row affected (0.02 sec)

mysql>
mysql>     Select * from teachers;
+---------+-----------+------------+-------------------------
+----------------------------+----------------+
| Eid     | TlastName | TfirstName | Taddress                | Temail
| TcontactNumber |
+---------+-----------+------------+-------------------------
+----------------------------+----------------+
| 0023456 | Messina   | Carlos     | 1250 De Maisonneuve West |
Carlos.Messina@concordia.ca  | 5148482425     |
| 0035070 | Brown     | Charles    | 450 St Catherine West    |
Charles.Brown@concordia.ca   | 4508483030     |
| 0044777 | Martino   | Gerrard    | 7300 Berri               |
Gerrard.Martino@concordia.ca | 5144459988     |
| 0058077 | White     | Ronnie     | 11450 Laval              |
```

```
                    Ronnie.White@concordia.ca    | 4503308888      |
| 0065079 | Romano      | Gino         | 6500 St Laurent          |
Romano.Gino@concordia.ca     | 5147330990      |
+---------+----------+-----------+-------------------------
+-----------------------------+---------------+
5 rows in set (0.00 sec)

mysql>
mysql> -- Populate Courses Table
mysql>
mysql> Insert INTO Courses(Cid,Ctitle)
    -> values('CEWP215','SQL Essentials');
Query OK, 1 row affected (0.03 sec)

mysql>
mysql> Insert INTO Courses(Cid,Ctitle)
    -> values('CEPH219','Java Programming I');
Query OK, 1 row affected (0.03 sec)

mysql>
mysql> Insert INTO Courses(Cid,Ctitle)
    -> values('CEDP150','Programming with PHP');
Query OK, 1 row affected (0.03 sec)

mysql>
mysql> -- Populate CoursesOffered Table
mysql>
mysql> Insert INTO coursesOffered
    ->
values('CEWP215','C1','Spring2016','18:00','2016/04/04','2016/05/16','
FB101','0023456');
Query OK, 1 row affected (0.06 sec)

mysql>
mysql> Insert INTO coursesOffered
    ->
values('CEPH219','C1','Spring2016','20:00','2016/04/04','2016/05/16','
FB105','0035070');
Query OK, 1 row affected (0.03 sec)

mysql>
mysql> Insert INTO coursesOffered
    ->
values('CEDP150','C1','Spring2016','18:00','2016/04/05','2016/05/16','
FB101','0023456');
Query OK, 1 row affected (0.09 sec)

mysql>
mysql> Select * from coursesOffered;
+---------+----------+-----------+----------+------------
```

```
+---------+----------+-----------+-----------+-------------+------------
| Cid     | Csection | Cterm     | CstarTime | CStartDate  | CendDate
| Clocation | Eid     |
+---------+----------+-----------+-----------+-------------+------------
+---------+----------+-----------+
| CEDP150 | C1       | Spring2016 | 18:00:00  | 2016-04-05 |
2016-05-16 | FB101     | 0023456 |
| CEPH219 | C1       | Spring2016 | 20:00:00  | 2016-04-04 |
2016-05-16 | FB105     | 0035070 |
| CEWP215 | C1       | Spring2016 | 18:00:00  | 2016-04-04 |
2016-05-16 | FB101     | 0023456 |
+---------+----------+-----------+-----------+-------------+------------
+---------+----------+-----------+
3 rows in set (0.00 sec)

mysql>
mysql> -- Populate Registrations Table
mysql>
mysql> Insert Into Registrations
    -> values('CEWP215','C1','Spring2016','4443329',null,null);
Query OK, 1 row affected (0.44 sec)

mysql>
mysql> Insert Into Registrations
    -> values('CEWP215','C1','Spring2016','4445322',null,null);
Query OK, 1 row affected (0.06 sec)

mysql>
mysql> Insert Into Registrations
    -> values('CEWP215','C1','Spring2016','4443622',null,null);
Query OK, 1 row affected (0.19 sec)

mysql>
mysql> Insert Into Registrations
    -> values('CEWP215','C1','Spring2016','4447322',null,null);
Query OK, 1 row affected (0.03 sec)

mysql>
mysql> Insert Into Registrations
    -> values('CEWP215','C1','Spring2016','4431322',null,null);
Query OK, 1 row affected (0.02 sec)

mysql>
mysql> Insert Into Registrations
    -> values('CEWP215','C1','Spring2016','3335533',null,'2016-02-17
13:10:05');
Query OK, 1 row affected (0.03 sec)

mysql>
mysql> Insert Into Registrations
```

```
    -> values('CEDP150','C1','Spring2016','3335533',null,'2016-02-18
14:10:10');
Query OK, 1 row affected (0.03 sec)

mysql> select *
    -> from courses;
+---------+----------------------+
| Cid     | Ctitle               |
+---------+----------------------+
| CEDP150 | Programming with PHP |
| CEPH219 | Java Programming I    |
| CEWP215 | SQL Essentials        |
+---------+----------------------+
3 rows in set (0.00 sec)

mysql> Select *
    -> from students;
+---------+-----------+------------+----------------------
+-------------------------+-----------------+
| Sid     | SlastName | SfirstName | Saddress
| Semail                  | SconctactNumber |
+---------+-----------+------------+----------------------
+-------------------------+-----------------+
| 1113334 | Martin    | James      | 1600 St Catherine West |
James.Martin@concordia.ca | 5148482424       |
| 2223334 | Messi     | Leo        | 600 St Catherine West  |
leo.messi@concordia.ca    | 5148482626       |
| 3335533 | Pique     | Gerard     | 333 Laval              |
Gerard.Pique@Barcelona.ca | 5148482633       |
| 4431322 | Peter     | Vargas     | 4678 Rue Berri         |
PVARGAS@hotmail.com       | 6501212004       |
| 4433321 | Neena     | Kochhar    | 200 St catherine       |
NKOCHHAR@hotmail.com      | 5151234568       |
| 4443322 | Bruce     | Ernst      | 500 St Denis           |
BERNST@gmail.com          | 5904234568       |
| 4443329 | Steven    | King       | 180 Berri              |
SKING@gmail.com           | 5151234567       |
| 4443622 | Diana     | Lorentz    | 6600 Rue               |
DLORENTZ@gmail.com        | 5904235567       |
| 4445322 | Alexander | Hunold     | 3000 Duluth            |
AHUNOLD@aol.com           | 5904234567       |
| 4446322 | Kevin     | Mourgos    | 550 Here               |
KMOURGOS@gmail.com        | 6501235234       |
| 4447322 | Trenna    | Rajs       | 6700 There av          |
TRAJS@hotmail.com         | 6501218009       |
| 4483322 | Curtis    | Davies     | 4500 OverThere Av.     |
CDAVIES@hotmail.com       | 6501212994       |
| 4493322 | Randall   | Matos      | 4389 Jamaica St        |
RMATOS@hotmail.com        | 6501212874       |
| 9993339 | Suarez    | Luis       | 300 St Denis           |
```

```
        Luis.Suarez@Barcelona.ca   | 5148482699       |
+---------+-----------+------------+----------------------
+---------------------------+----------------+
14 rows in set (0.00 sec)

mysql> select *
    -> from teachers;
+---------+-----------+------------+------------------------
+---------------------------+----------------+
| Eid     | TlastName | TfirstName | Taddress               | Temail
| TcontactNumber |
+---------+-----------+------------+------------------------
+---------------------------+----------------+
| 0023456 | Messina   | Carlos     | 1250 De Maisonneuve West |
Carlos.Messina@concordia.ca  | 5148482425       |
| 0035070 | Brown     | Charles    | 450 St Catherine West    |
Charles.Brown@concordia.ca   | 4508483030       |
| 0044777 | Martino   | Gerrard    | 7300 Berri               |
Gerrard.Martino@concordia.ca | 5144459988       |
| 0058077 | White     | Ronnie     | 11450 Laval              |
Ronnie.White@concordia.ca    | 4503308888       |
| 0065079 | Romano    | Gino       | 6500 St Laurent          |
Romano.Gino@concordia.ca     | 5147330990       |
+---------+-----------+------------+------------------------
+---------------------------+----------------+
5 rows in set (0.00 sec)

mysql> select *
    -> from coursesoffered;
+---------+----------+------------+-----------+------------
+------------+-----------+---------+
| Cid     | Csection | Cterm      | CstarTime | CStartDate | CendDate
| Clocation | Eid     |
+---------+----------+------------+-----------+------------
+------------+-----------+---------+
| CEDP150 | C1       | Spring2016 | 18:00:00  | 2016-04-05 |
2016-05-16 | FB101     | 0023456 |
| CEPH219 | C1       | Spring2016 | 20:00:00  | 2016-04-04 |
2016-05-16 | FB105     | 0035070 |
| CEWP215 | C1       | Spring2016 | 18:00:00  | 2016-04-04 |
2016-05-16 | FB101     | 0023456 |
+---------+----------+------------+-----------+------------
+------------+-----------+---------+
3 rows in set (0.02 sec)

mysql>
mysql>
mysql> select *
    -> from registrations;
+---------+----------+------------+---------+------
```

```
+-------------------+
| Cid     | Csection | Cterm      | Sid     | Grade | RegDate
|
+---------+----------+------------+---------+-------
+-------------------+
| CEDP150 | C1       | Spring2016 | 3335533 | NULL  | 2016-02-18
14:10:10 |
| CEWP215 | C1       | Spring2016 | 3335533 | NULL  | 2016-02-17
13:10:05 |
| CEWP215 | C1       | Spring2016 | 4431322 | NULL  | 2016-05-09
20:36:32 |
| CEWP215 | C1       | Spring2016 | 4443329 | NULL  | 2016-05-09
20:36:31 |
| CEWP215 | C1       | Spring2016 | 4443622 | NULL  | 2016-05-09
20:36:32 |
| CEWP215 | C1       | Spring2016 | 4445322 | NULL  | 2016-05-09
20:36:32 |
| CEWP215 | C1       | Spring2016 | 4447322 | NULL  | 2016-05-09
20:36:32 |
+---------+----------+------------+---------+-------
+-------------------+
7 rows in set (0.00 sec)
```

Q75. The student Diana Lorentz with id 4443622 obtained a A+ in her course. Do the update.

```
mysql> Update Registrations
    -> Set Grade = 'A+'
    -> where sid = '4443622';
Query OK, 1 row affected (0.03 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> select *
    -> from registrations;
+---------+----------+------------+---------+-------
+-------------------+
| Cid     | Csection | Cterm      | Sid     | Grade | RegDate
|
+---------+----------+------------+---------+-------
+-------------------+
| CEDP150 | C1       | Spring2016 | 3335533 | NULL  | 2016-02-18
14:10:10 |
| CEWP215 | C1       | Spring2016 | 3335533 | NULL  | 2016-02-17
13:10:05 |
| CEWP215 | C1       | Spring2016 | 4431322 | NULL  | 2016-05-09
20:36:32 |
| CEWP215 | C1       | Spring2016 | 4443329 | NULL  | 2016-05-09
20:36:31 |
| CEWP215 | C1       | Spring2016 | 4443622 | A+    | 2016-05-09
20:39:16 |<----------
```

```
| CEWP215 | C1        | Spring2016 | 4445322 | NULL  | 2016-05-09
20:36:32 |
| CEWP215 | C1        | Spring2016 | 4447322 | NULL  | 2016-05-09
20:36:32 |
+--------+----------+------------+--------+------
+--------------------+
7 rows in set (0.00 sec)

mysql> exit;
---------------------------------- End of File
-------------------------------------------
---------------------- End of the course
-----------------------------------------------------
```