```
☑ Command Prompt - mysql.exe -u root -p
ERROR 1046 (3D000): No database selected
mysql> USE class1211;
Database changed
mysql>
mysql>
mysql>
-> );
Query OK, 0 rows affected (0.06 sec)
mysql>
mysql> INSERT INTO vaccine (name, country ,quantity) VALUES ("Sinopharm", "China" , 5920300);
Query OK, 1 row affected (0.01 sec)
mysql> INSERT INTO vaccine (name, country ,quantity) VALUES ("Pfizer", "Germany/US" , 4013);
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO vaccine (name, country ,quantity) VALUES ("Oxford-AstraZeneca", "UK/Belgium" , 234021);
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO vaccine (name, country ,quantity) VALUES ("Sputnik V", "RUSSIA" , 1032);
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO vaccine (name, country ,quantity) VALUES ("COVIran Barekat", "Iran" , 120043);
Query OK, 1 row affected (0.01 sec)
mysql>
mysql> SELECT *
-> FROM vaccine
-> ;
  vaccineID | name
                                             country
                                                              | quantity |
                  Sinopharm
Pfizer
Oxford-AstraZeneca
                                                                  5920300
                                               Germany/US
UK/Belgium
                                                                   4013
234021
             4 | Sputnik V
5 | COVIran Barekat
                                               RUSSIA
Iran
                                                                     1032
  rows in set (0.01 sec)
 nysql>
```

```
📶 Command Prompt - mysql.exe -u root -p
mysql>
mysql> UPDATE persons SET vaccineID = 3 WHERE personID = 5;
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0
mysql> UPDATE persons SET vaccineID = 3 WHERE personID = 8;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0
mysql> UPDATE persons SET vaccineID = 4 WHERE personID = 5;
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0
mysql> SELECT *
-> FROM persons;
 personID | last_name | first_name
                                                                            gender | vaccineID |
                                              birth
                                                              death
               Alavi
                             Akbar
                                                1990-11-12
                                                                              male
                                                               NULL
                                                                              female
               Makhdumi
                                                1992-10-13
                             Maryam
                                                               NULL
                                                                                                   1
                                                1985-12-14
                                                               1999-05-03
                                                                              female
               Akbari
                             Maryam
                                                                                               NULL
               Mostafavi
          4
                             Ahmad
                                                1991-07-05
                                                               NULL
                                                                              male
               Alemi
                             Mohammad Reza
                                                1999-10-16
                                                                              male
                                                               NULL
               Tehrani
                             AliAli
                                                1979-06-17
                                                               2007-07-02
                                                                                               NULL
                                                                              male
                             Rojin
               Khalilzad
                                                1980-04-18
                                                                              female
                                                               NULL
                                                                                                   1
                             Saba
               Maroofi
                                                1993-08-19
                                                               NULL
                                                                              female
               Baradaran
                             Nushin
                                                2001-06-20
                                                                              female
                                                               NULL
                                                1970-02-21
                                                               2000-11-12
                                                                              female
               Kaabi
10 rows in set (0.00 sec)
mysql> UPDATE persons SET vaccineID = 3 WHERE personID = 5;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0
mysql> UPDATE persons SET vaccineID = 5 WHERE personID = 4;
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0
mysql> SELECT *
    -> FROM persons;
  personID | last_name | first_name
                                              | birth
                                                                            | gender | vaccineID
                                                              death
                                                1990-11-12
               Alavi
                             Akhar
                                                               NULL
                                                                              male
                                                1992-10-13
1985-12-14
                                                                              female
               Makhdumi
                             Maryam
                                                               NULL
               Akbari
                                                               1999-05-03
                                                                              female
                                                                                               NULL
                             Maryam
              Mostafavi
                                                1991-07-05
          4
                             Ahmad
                                                               NULL
                                                                              male
                             Mohammad Reza
                                                1999-10-16
               Alemi
                                                               NULL
                                                                              male
               Tehrani
                             AliAli
                                                1979-06-17
                                                               2007-07-02
                                                                              male
                                                                                               NULL
               Khalilzad
                             Rojin
                                                                              female
                                                1980-04-18
                                                               NULL
          8
                             Saba
                                                1993-08-19
                                                                              female
               Maroofi
                                                               NULL
                                                                                                   3
                             Nushin
               Baradaran
                                                2001-06-20
                                                                              female
                                                               NULL
          9
                                                                                                   1
         11
               Kaabi
                             AliAli
                                                1970-02-21
                                                               2000-11-12
                                                                              female
10 rows in set (0.00 sec)
mysql>
```

×

```
se near 'FROM persons LEFT JOIN vaccine ON persons.vaccineID=vaccSELECT *ine.vaccineID' at line 1
mysql> FROM persons LEFT JOIN vaccine ON persons.vaccineID=vaccine.vaccineID;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to u
se near 'FROM persons LEFT JOIN vaccine ON persons.vaccineID=vaccine.vaccineID' at line 1
   sql> SELECT *
-> FROM persons LEFT JOIN vaccine ON persons.vaccineID=vaccine.vaccineID;
  personID | last_name | first_name
                                                                                                                                                            gender | vaccineID | vaccineID | name
                                                                                                                                                                                                                                                                                                                             quantity
                                                                                                                                                                                                                                                                                          country
                            Alavi
Makhdumi
Akbari
Mostafavi
Alemi
Tehrani
Khalilzad
Maroofi
Baradaran
Kaabi
                                                                                               1990-11-12
1992-10-13
1985-12-14
1991-07-05
1999-10-16
1979-06-17
1980-04-18
1993-08-19
2001-06-20
1970-02-21
                                                                                                                                                            male
female
female
male
male
female
female
female
female
                                                                                                                                                                                                                                                                                             China
China
NULL
Iran
UK/Belgium
                                                                                                                                                                                                                                            Sinopharm
Sinopharm
NULL
COVIran Barekat
                                                          Akbar
                                                                                                                                                                                                                                                                                                                                5920300
                                                       Akbar
Maryam
Maryam
Ahmad
Mohammad Reza
AliAli
Rojin
Saba
Nushin
AliAli
                                                                                                                                                                                                                                                                                                                               5920300
5920300
NULL
120043
234021
NULL
                                                                                                                             NULL
1999-05-03
NULL
NULL
                                                                                                                                                                                              NULL
                                                                                                                                                                                                                                            Oxford-AstraZeneca
                                                                                                                             NULL
2007-07-02
NULL
NULL
NULL
2000-11-12
                                                                                                                                                                                               NULL
                                                                                                                                                                                                                            NULL
                                                                                                                                                                                                                                                                                              NULL
                                                                                                                                                                                                                                            Sinopharm
Oxford-AstraZeneca
Sinopharm
Sinopharm
                                                                                                                                                                                                                                                                                              China
UK/Belgium
China
China
                                                                                                                                                                                                                                                                                                                               5920300
234021
5920300
5920300
10 rows in set (0.00 sec)
 ysql> SELECT *
-> FROM persons RIGHT JOIN vaccine ON persons.vaccineID=vaccine.vaccineID;
                                                                                                                                                                              | vaccineID | vaccineID | name
                                                                                            birth
                                                                                                                          death
                                                                                                                                                          gender
                                                                                                                                                                                                                                                                                          | country
                                                                                              1990-11-12
1992-10-13
1980-04-18
2001-06-20
1970-02-21
NULL
1999-10-16
1993-08-19
NULL
1991-07-05
                                                                                                                                                                                                                                           Sinopharm
Sinopharm
Sinopharm
Sinopharm
Sinopharm
                                                                                                                                                                                                                                                                                              China
China
China
China
China
                            Alavi
Makhdumi
Khalilzad
                                                         Akbar
Maryam
Rojin
                                                                                                                             NULL
NULL
NULL
NULL
                                                                                                                                                             male
female
female
                                                                                                                                                                                                                                                                                                                                5920300
5920300
5920300
5920300
                            Khalilzad
Baradaran
Kaabi
NULL
Alemi
Maroofi
NULL
Mostafavi
                                                       Nushin
AliAli
NULL
Mohammad Reza
Saba
NULL
Ahmad
                                                                                                                                                              female female
                                                                                                                             NULL
2000-11-12
NULL
NULL
NULL
                                                                                                                                                                                                                                                                                                                               5920300
4013
234021
234021
                                                                                                                                                                                                                                          Sinopharm
Pfizer
Oxford-AstraZeneca
Oxford-AstraZeneca
Sputnik V
COVIran Barekat
                                                                                                                                                             NULL
male
female
NULL
            NULL
5
                                                                                                                                                                                              NULL
3
                                                                                                                                                                                                                                                                                              Germany/US
UK/Belgium
UK/Belgium
            NULL
                                                                                                                                                                                               NULL
                                                                                                                                                                                                                                                                                              RUSSIA
                                                                                                                                                                                                                                                                                                                                 120043
                                                                                                                              NULL
                                                                                                                                                             male
                                                                                                                                                                                                                                                                                              Iran
 0 rows in set (0.00 sec)
nysql> SELECT *
    -> FROM persons INNER JOIN vaccine ON persons.vaccineID=vaccine.vaccineID;
                                                                                                                                                            gender | vaccineID | vaccineID | name
   personID | last_name | first_name
                                                                                                                                                                                                                                                                                             country
                                                         Akbar
Maryam
Rojin
Nushin
AliAli
Mohamma
Saba
Ahmad
                                                                                               1990-11-12 |
1992-10-13 |
1980-04-18 |
2001-06-20 |
1970-02-21 |
1999-10-16 |
1993-08-19 |
1991-07-05 |
                                                                                                                                                            male
female
female
female
female
male
female
                                                                                                                                                                                                                                                                                             China
China
China
China
China
UK/Belgium
UK/Belgium
                                                                                                                                                                                                                                                                                                                               5920300
5920300
5920300
5920300
5920300
234021
234021
               1
2
7
9
11
5
8
                            Alavi
Makhdumi
Khalilzad
                                                                                                                             NULL
NULL
NULL
NULL
                                                                                                                                                                                                                                            Sinopharm
Sinopharm
Sinopharm
                           Khalilzad
Baradaran
Kaabi
Alemi
Maroofi
Mostafavi
                                                                                                                                                                                                                                          Sinopharm
Sinopharm
Sinopharm
Oxford-AstraZeneca
Oxford-AstraZeneca
COVIran Barekat
                                                                                                                            2000-11-12
NULL
NULL
NULL
                                                                                                                                                             male
                                                                                                                                                                                                                                                                                              Iran
                                                                                                                                                                                                                                                                                                                                  120043
  rows in set (0.00 sec)
```

```
mysql> SELECT persons.first_name, persons.last_name, vaccine.country
-> FROM person INNER JOIN vaccine ON persons.vaccineID=vaccine.vaccineID;
ERROR 1146 (42502): Table 'class1211.person' doesn't exist
mysql>
nysql> SELECT persons.first_name, persons.last_name, vaccine.country
-> FROM persons INNER JOIN vaccine ON persons.vaccineID=vaccine.vaccineID;
  first_name
                       | last name | country
  Akbar
                                           China
  Maryam
                         Makhdumi
                                           China
                         Khalilzad
  Rojin
                                           China
  Nushin
                         Baradaran
                                           China
  AliAli
                                           China
                         Kaabi
                         Alemi
  Mohammad Reza
                                           UK/Belgium
  Saba
                         Maroofi
                                           UK/Belgium
  Ahmad
                         Mostafavi
                                           Iran
 rows in set (0.00 sec)
nysql> SELECT persons.first_name, persons.last_name, vaccine.name
-> FROM persons INNER JOIN vaccine ON persons.vaccineID=vaccine.vaccineID
     -> WHERE persons.death IS NOT NULL;
  first name | last name | name
  AliAli
                   Kaabi
                                      Sinopharm |
 row in set (0.00 sec)
```

mysql> _

```
mysql> SELECT persons.first_name, persons.last_name, vaccine.country
    -> FROM person INNER JOIN vaccine ON persons.vaccineID=vaccine.vaccineID;
ERROR 1146 (42502): Table 'class1211.person' doesn't exist
mysql>
first_name
                  | last_name | country
  Akbar
                    Alavi
                                  China
  Maryam
Rojin
                    Makhdumi
                                  China
                    Khalilzad
                                  China
  Nushin
                    Baradaran
                                  China
  AliAli
                    Kaabi
                                  China
  Mohammad Reza
                   Alemi
                                  UK/Belgium
                    Maroofi
                                  UK/Belgium
  Saba
                   Mostafavi
  Ahmad
                                 Iran
8 rows in set (0.00 sec)
mysql> SELECT persons.first_name, persons.last_name, vaccine.name
-> FROM persons INNER JOIN vaccine ON persons.vaccineID=vaccine.vaccineID
    -> WHERE persons.death IS NOT NULL;
 first_name | last_name | name
 AliAli
              Kaabi
                            | Sinopharm |
1 row in set (0.00 sec)
mysql> SELECT vaccine.name, COUNT(persons.personID)
-> FROM persons RIGHT JOIN vaccine ON persons.vaccineID=vaccine.vaccineID
    -> GROUP BY vaccine.name;
                        | COUNT(persons.personID) |
 name
  Sinopharm
                                                   0
  Pfizer
  Oxford-AstraZeneca
                                                   0
  Sputnik V
  COVIran Barekat
5 rows in set (0.00 sec)
mysql> _
```