TRUNCATE

This lesson discusses how to delete all the rows of a table using the TRUNCATE clause.

Truncate

In the previous lesson, we learned how to delete data using the **DELETE** statement. However, if we intend to delete all the rows from a table then a faster route is to use the **TRUNCATE** statement. Generally, we don't want to delete all the table rows except in the case of temporary tables. The **TRUNCATE** statement drops a table and recreates it for faster processing. MySQL doesn't count the number of rows affected and may show the count to be zero or non-zero, but the number doesn't reflect the actual number of rows affected.

Example Syntax

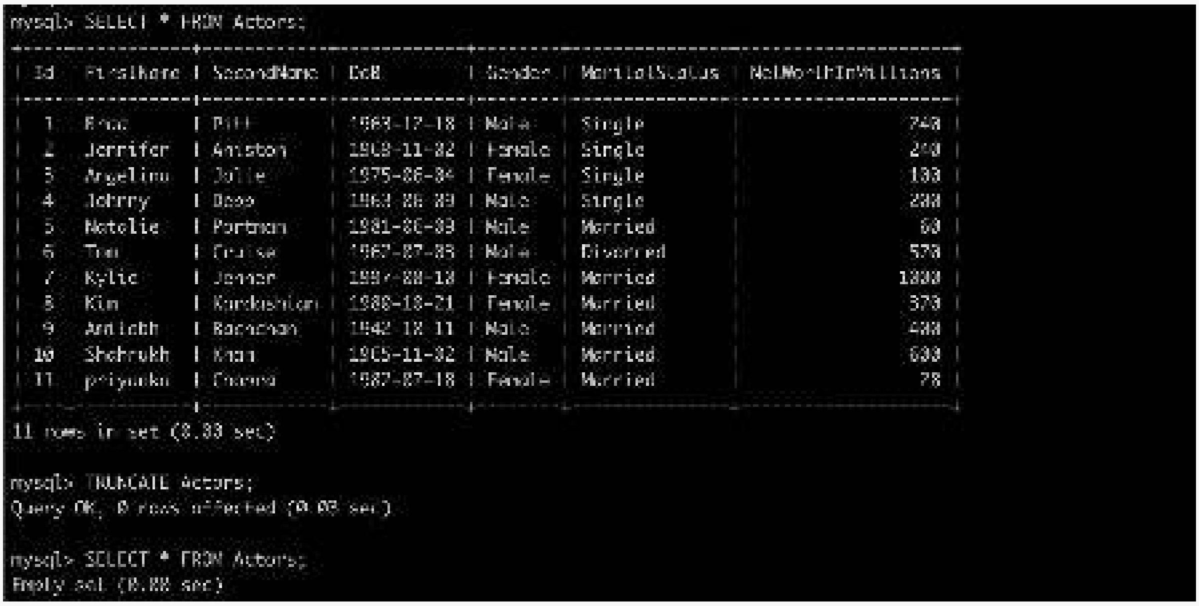
> TRUNCATE **table**;

> Connect to the terminal below by clicking in the widget. Once connected, the command line prompt will show up. Enter or copy and paste the command **./DataJek/Lessons/14lesson.sh** and wait for the MySQL prompt to start-up.

● Terminal

1. Execute the following query to remove all the rows from the table:

```
TRUNCATE Actors;
```



```
mysql> SELECT * FROM Actors;
+----+-----------+------------+------------+--------+---------------+--------------------+
| Id | FirstName | SecondName | DoB        | Gender | MaritalStatus | NetWorthInMillions |
+----+-----------+------------+------------+--------+---------------+--------------------+
|  1 | Brad      | Pitt       | 1963-12-18 | Male   | Single        |                240 |
|  2 | Jennifer  | Aniston    | 1968-11-02 | Female | Single        |                240 |
|  3 | Angelina  | Jolie      | 1975-06-04 | Female | Single        |                100 |
|  4 | Johnny    | Depp       | 1963-06-09 | Male   | Single        |                200 |
|  5 | Natalie   | Portman    | 1981-06-09 | Male   | Married       |                 60 |
|  6 | Tom       | Cruise     | 1962-07-03 | Male   | Divorced      |                570 |
|  7 | Kylie     | Jenner     | 1997-08-10 | Female | Married       |               1000 |
|  8 | Kim       | Kardashian | 1980-10-21 | Female | Married       |                370 |
|  9 | Amitabh   | Bachchan   | 1942-10-11 | Male   | Married       |                400 |
| 10 | Shahrukh  | Khan       | 1965-11-02 | Male   | Married       |                600 |
| 11 | priyanka  | Chopra     | 1982-07-18 | Female | Married       |                 70 |
+----+-----------+------------+------------+--------+---------------+--------------------+
11 rows in set (0.00 sec)

mysql> TRUNCATE Actors;
Query OK, 0 rows affected (0.03 sec)

mysql> SELECT * FROM Actors;
Empty set (0.00 sec)
```

Note that **TRUNCATE** doesn't work with locking or transactions and is the equivalent of **DELETE** when used with InnoDB tables. *InnoDB* refers to a particular type of database engine and is covered in the lessons ahead.