**SQL DML Updates Quiz**

**Question 1**

Which of the following makes a change to the database permanent?

* Commit

**Question 2**

Consider the following SQL statements:

*UPDATE DEALER*

*SET PHONE = 98654723*

*WHERE DEALERID = 1232;*

*COMMIT;*

*ROLLBACK;*

Which of the following statements is true about ROLLBACK in the above?

(We are not working in autocommit mode)

* It has no effect, it does not undo the update of the table.

**Question 3**

Consider this DEALER TABLE:

|  |  |  |
| --- | --- | --- |
| DEALER | | |
| **DEALERID** | **DEALERNAME** | **PHONE** |
| 5432 | Hawthorn Mazda | 9111111 |
| 1232 | Richmond Good Cars |  |
| 4325 | Kew Toyote | 9555555 |

What would happen when the following statements are executed?

(We are not working in autocommit mode)

*DELETE FROM DEALER;*

*ROLLBACK;*

* The changes to the table are not made permanent.

**Question 4**

In the Movie table, the value for the duration for the movie "The Dark Knight Rises" should be updated to 165.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| MOVIE | | | | |
| **MOVIENO** | **TITLE** | **RELEASEYEAR** | **DURATION** | **RATINGCODE** |
| 1930 | The Amazing Spider-Man | 2010 | 136 | M |
| 45243 | The Hangover Part II | 2011 | 102 | MA |
| 49026 | He Dark Knight Rises | 2012 | NULL | M |
| 152532 | Dallas Buyers Club | NULL | 117 | MA |
| 205596 | The Imitation Game | 2014 | 113 | PG |

Fill in the blanks below so that the value will be updated

*UPDATE [X] SET DURATION = 165*

*WHERE [Y] = [Z];*

* X = MOVIE

Y = MOVIENO

Z = 49026

**Question 5**

Consider the following entries in the MOVIE table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| MOVIE | | | | |
| **MOVIENO** | **TITLE** | **RELEASEYEAR** | **DURATION** | **RATINGCODE** |
| 1930 | The Amazing Spider-Man | 2010 | 136 | M |
| 45243 | The Hangover Part II | 2011 | 102 | MA |
| 49026 | He Dark Knight Rises | 2012 | 165 | M |
| 152532 | Dallas Buyers Club | 2012 | null | MA |
| 205596 | The Imitation Game | 2014 | 113 | PG |

The table states that “The Amazing Spider-Man” movie was released in the year 2010, but it was actually released in the year 2012. Which of the following statements can be used to correct the mistake?

* *UPDATE MOVIE SET RELEASEYEAR = 2012 WHERE MOVIENO = 1930;*

**Question 6**

The MOVIE table has the following structure:

*CREATE TABLE MOVIE(*

*MOVIENO INT(10) PRIMARY KEY,*

*TITLE VARCHAR(100) not null,*

*RELEASEYEAR INT(4) not null,*

*DURATION INT(5),*

*RATINGCODE VARCHAR(2) not null*

*);*

Consider the following available information from the “themoviedb.org”:

* Movie No: 453
* Movie title: **A Beautiful Mind**
* **Duration**: 135
* **Release Year**: 2001

Which of the following statements is incorrect when a user tries to insert the above information to the MOVIE table?

* *INSERT INTO MOVIE(MOVIENO, TITLE, RELEASEYEAR, DURATION) VALUES (453, 'A BEAUTIFUL MIND', 2001, 131);*

**Question 7**

Consider the following entries in the MOVIE table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| MOVIE | | | | |
| **MOVIENO** | **TITLE** | **RELEASEYEAR** | **DURATION** | **RATINGCODE** |
| 1930 | The Amazing Spider-Man | 2010 | 136 | M |
| 45243 | The Hangover Part II | 2011 | 102 | MA |
| 49026 | He Dark Knight Rises | 2012 | 165 | M |
| 152532 | Dallas Buyers Club | 2012 | null | MA |
| 205596 | The Imitation Game | 2014 | 113 | PG |

Fill in the blanks below to make a statement that removes all movies that have null values.

*\_\_\_\_\_\_*

*FROM \_\_\_\_\_\_*

*WHERE \_\_\_\_\_\_*

*IS NULL;*

* DELETE

MOVIE

DURATION

**Question 8**

Consider the following statement:

*INSERT INTO MOVIE(TITLE, RELEASEYEAR, DURATION, RATINGCODE)*

*VALUES('Romeo + Juliet', 1996, 120, null);*

Based on the create statement above, in which case would this statement execute successfully?

* The statement will execute if MOVIENO is an auto-increment column and RATINGCODE is a nullable column.