

Triggers Results

1. The Triggers are created as follows:

```
DELIMITER $
CREATE TRIGGER del_album
AFTER DELETE ON Music_Album
FOR EACH ROW
BEGIN
    DELETE FROM Music_CD
    WHERE OLD.Item_ID = Item_ID;
END;
$
DELIMITER;
```

```
DELIMITER $
CREATE TRIGGER del_CD
AFTER DELETE ON Music_CD
FOR EACH ROW
BEGIN
    DELETE FROM Item
    WHERE OLD.Item_ID = Item_ID;
END;
$
DELIMITER;
```

2. To use the trigger, one must simply delete a record from the Music_Album table. Below are the results after establishing both triggers, then deleting any album with the Item_ID of 1.

```
mysql> select* from Music_Album;
```

```
+-----+-----+
| Item_ID | Singer_Name |
+-----+-----+
|      1 | James Hetfield |
+-----+-----+
1 row in set (0.00 sec)
```

```
mysql> select* from Music_CD;
```

```
+-----+-----+
| Item_ID | No_Of_Sounds |
+-----+-----+
|      1 |      8 |
|      3 |     18 |
+-----+-----+
2 rows in set (0.00 sec)
```

```
mysql> select* from Item;
```

```
+-----+-----+-----+-----+-----+-----+
| Item_ID | Date_Acquired | Customer_ID_Rent | Rent_Date | Return_Date |
Title | Release_Date |
+-----+-----+-----+-----+-----+-----+
```

```

-----+-----+
|      1 | 2009-12-25 |      1111111111 | 2014-01-01 | 2014-01-05 | Metallica - Ride the
Lightning | 1984-07-27 |
|      2 | 2011-12-02 |      2147483647 | 2014-01-02 | 2014-01-20 | The
Avengers | 2012-05-04 |
|      3 | 2012-04-03 |      2147483647 | 2013-01-01 | 2014-02-03 | The Avengers -
Soundtrack | 2012-05-04 |
+-----+-----+-----+-----+-----+-----+

```

```

-----+-----+
3 rows in set (0.00 sec)

```

```

mysql> delete from Music_Album where Item_ID = 1;
Query OK, 1 row affected (0.00 sec)

```

```

mysql> select* from Music_Album;
Empty set (0.00 sec)

```

```

mysql> select* from Music_CD;

```

```

-----+-----+
| Item_ID | No_Of_Sounds |
+-----+-----+
|      3 |          18 |
+-----+-----+
1 row in set (0.00 sec)

```

```

mysql> select* from Item;

```

```

-----+-----+-----+-----+-----+-----+
---+-----+
| Item_ID | Date_Acquired | Customer_ID_Rent | Rent_Date | Return_Date |
Title | Release_Date |
+-----+-----+-----+-----+-----+-----+
---+-----+
|      2 | 2011-12-02 |      2147483647 | 2014-01-02 | 2014-01-20 | The
Avengers | 2012-05-04 |
|      3 | 2012-04-03 |      2147483647 | 2013-01-01 | 2014-02-03 | The Avengers -
Soundtrack | 2012-05-04 |
+-----+-----+-----+-----+-----+-----+
---+-----+
2 rows in set (0.00 sec)

```