

Modifying Data with SQL Part 2 Notes

Team Treehouse

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1 Updating All Rows in a Table

- **Syntax:** `UPDATE table name SET column 1 name = value 1 name, column 2 name = value 2 name;`

```
1  UPDATE users SET password = "thisisabadidea";
2
3
4  UPDATE products SET price = 2.99;
5
6
7  UPDATE users SET first_name = "Anony", last_name = "Moose";
8
9
10 UPDATE products SET stock_count = 0, price = 0;
11
```

2 Updating Specific Rows

- **Syntax:** `UPDATE table name SET column 1 name = value 1 name, column 2 name = value 2 name WHERE condition;`

```
1  UPDATE users SET password = "thisisabadidea" WHERE id = 3;
2
3
4  UPDATE blog_posts SET view_count = 1923 WHERE title = "SQL is
   Awesome";
5
6
7  UPDATE users SET entry_url = "/home", last_login = "2016-01-05"
   WHERE id = 329;
8
```

```
9
10 UPDATE products SET status = "SOLD OUT", availability = "In 1 Week
11 " WHERE stock_count = 0;
```

3 Exercise 1

- Solution included in *exercise_1.sql*

4 Review and Practice

5 Quiz 1

1. Please fill in the correct answer in each blank provided below.

Fill in the missing keywords for the following UPDATE statement.

```
1 UPDATE users SET password = "thisisabadidea" WHERE id = 3;
2
3
4 UPDATE blog_posts SET view_count = 1923 WHERE title = "SQL is
5 Awesome";
6
7 UPDATE users SET entry_url = "/home", last_login = "2016-01-05"
8 WHERE id = 329;
9
10 UPDATE products SET status = "SOLD OUT", availability = "In 1 Week"
11 WHERE stock_count = 0;
```

games

id	name	platform
1	Destiny	Playstation 4
2	Halo 5	Xbox One

2.

After issuing the following statement, what would you expect the contents of the table to be?

```
1 UPDATE games SET platform="Cross-Platform";  
2
```

- A.

id	name	platform
1	Destiny	Playstation 4
2	Halo 5	Xbox One
- B.

id	name	platform
1	Destiny	Cross-Platform
2	Halo 5	Xbox One
- C.

id	name	platform
1	Destiny	Cross-Platform
2	Halo 5	Cross-Platform

Answer: C

games

id	name	platform
1	Destiny	NULL
2	Halo 5	Xbox One
3	Rise of the Tomb Raider	Xbox One
4	Star Wars: Battlefront	NULL

3.

Please fill in the correct answer in each blank provided below.

Finish the following statement to replace NULL values with the value of "Cross-Platform".

```
1 UPDATE games SET platform = "Cross-Plaform" WHERE id \_\_\_ (1,4);  
2
```

What is the missing operator?

Answer: IN

4. Please fill in the correct answer in each blank provided below.

Fill in the missing keywords for the following UPDATE statement.

```
1 UPDATE shows SET title \_\_\_ "Friends";  
2
```

What is the missing operator?

Answer: =

5. CRUD stands for

Answer: CREATE, READ, UPDATE, DELETE

6. Please fill in the correct answer in each blank provided below.

Fill in the missing keywords for the following UPDATE statement.

```
1 \_\_\_ cars \_\_\_ model = "Ford" \_\_\_ id = 1;  
2
```

Answer: UPDATE, SET, WHERE