Lesson 6- CRUD challenge section

- 1- crud exercise create solution
- 2- crud exercise read solution
- 3- crud exercise update solution
- 4- crud exercise delete solution

Extreme Crud exercises



Create a new database

shirts_db

Create a new table shirts

Cannot Be NULL Primary Key shirt_id article shirt_size last_worn color t-shirt white t-shirt 200 green polo shirt black tank top blue t-shirt pink М polo shirt red tank top white tank top blue

```
('t-shirt', 'white', 'S', 10),
('t-shirt', 'green', 'S', 200),
('polo shirt', 'black', 'M', 10),
('tank top', 'blue', 'S', 50),
('t-shirt', 'pink', 'S', 0),
('polo shirt', 'red', 'M', 5),
('tank top', 'white', 'S', 200),
('tank top', 'blue', 'M', 15)
```

Read

5

Add A New Shirt

Purple polo shirt, size M last worn 50 days ago

6

SELECT all shirts

But Only Print Out Article and Color

Update

7

SELECT all medium shirts

Print Out Everything But shirt_id

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Update all polo shirts

Change their size to L

Update the shirt last worn 15 days ago

Change last_worn to 0

Update multiple fields at once

10

Update all white shirts

Change size to 'XS' and color to 'off white'

Delete

11

Delete all old shirts

Last worn 200 days ago

12

Delete all tank tops

Your tastes have changed...

13

Delete all shirts

Catastrophe!

Drop the entire shirts table

Catastrophe Again!

Extreme CRUD exercise solution Select/create statement

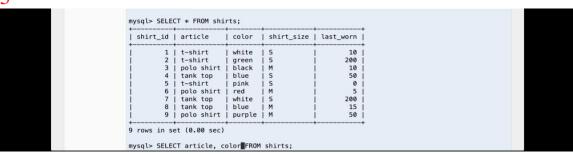
mysql> CREATE DATABASE shirts_db; Query OK, 1 row affected (0.00 sec)

CREATE TABLE shirts

(
 shirt_id INT NOT NULL AUTO_INCREMENT,
 article VARCHAR(100),
 color VARCHAR(100),
 shirt_size VARCHAR(100),
 last_worn INT,
 PRIMARY KEY(shirt_id)
);

Read/select

5



mysql> SELECT article, color FROM shirts;
article
t-shirt white
t-shirt green
polo shirt black
tank top blue
t-shirt pink
polo shirt red
tank top white
tank top blue
polo shirt purple
9 rows in set (0.00 sec)

6

9 10W3 III 30	et (0.00 sec)				
A STATE OF THE PARTY OF THE PAR	T * FROM shi		Statement of the statem	M';	
shirt_id	article	color	shirt_size	last_worn	
3	polo shirt		M	10	
1 6	polo shirt	red	M	5	
8	tank top	blue	M	15	

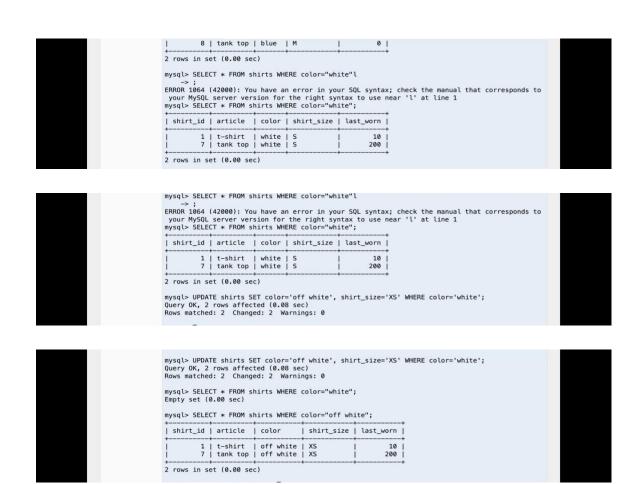
9 polo	shirt purple	M	50	
4 rows in set (0.0 mysql> SELECT arti		t_size, last_wo	rn FROM shirts WHERE shi	irt_size='M';
article col	or shirt_size	last_worn		
polo shirt bla polo shirt red	ck M	10		
tank top blu	ејм	15		
polo shirt pur	ple M	50		

Update solution

polo shirt | black | M polo shirt | red | M tank top | blue | M polo shirt | purple | M 4 rows in set (0.00 sec) mysql> SELECT * FROM shirts WHERE article='polo shirt'; | shirt_id | article | color | shirt_size | last_worn | 3 | polo shirt | black | M | 10 | 6 | polo shirt | red | M | 5 | 9 | polo shirt | purple | M | 50 | 3 rows in set (0.00 sec) 3 rows in set (0.00 sec) mysql> UPDATE shirts SET shirt_size='L' WHERE article='polo shirt';
Query OK, 3 rows affected (0.03 sec)
Rows matched: 3 Changed: 3 Warnings: 0 mysql> SELECT * FROM shirts WHERE article='polo shirt'; | shirt_id | article | color | shirt_size | last_worn | 3 | polo shirt | black | L 6 | polo shirt | red | L 9 | polo shirt | purple | L 50 3 rows in set (0.00 sec) 4 | tank top | blue | S
5 | t-shirt | pink | S
6 | polo shirt | red | L
7 | tank top | white | S
8 | tank top | blue | M
9 | polo shirt | purple | L 9 rows in set (0.00 sec) mysql> SELECT * FROM shirts WHERE last_worn=15; | shirt_id | article | color | shirt_size | last_worn | | 8 | tank top | blue | M I | 15 | 1 row in set (0.00 sec) 9 rows in set (0.00 sec) mysql> SELECT * FROM shirts WHERE last_worn=15; | shirt_id | article | color | shirt_size | last_worn | 8 | tank top | blue | M | 1 row in set (0.00 sec) mysql> UPDATE shirts SET last_worn=0 WHERE last_worn=15; Query OK, 1 row affected (0.01 sec) Rows matched: 1 Changed: 1 Warnings: 0 mysql> UPDATE shirts SET last_worn=0 WHERE last_worn=15; Query OK, 1 row affected (0.01 sec) Rows matched: 1 Changed: 1 Warnings: 0 mysql> SELECT * FROM shirts WHERE last_worn=15; Empty set (0.00 sec) mysql> SELECT * FROM shirts WHERE last_worn=0; | shirt_id | article | color | shirt_size | last_worn |

update multiple fields at once

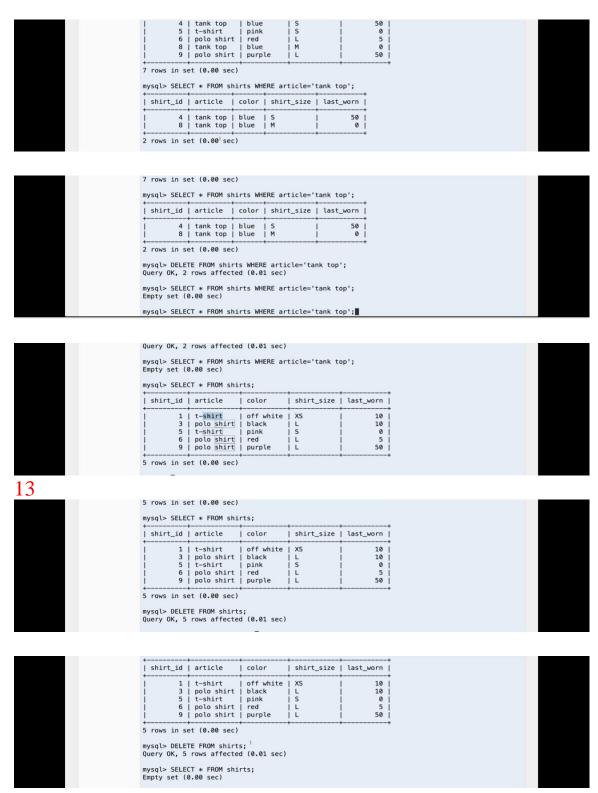
2 rows in set (0.00 sec)



delete

1	5	t-shirt	pink	5	1	0	
1	6			į L	1	5	
1	7	tank top	off whit	e XS	20	0	
1		tank top	blue	M		0	
1	9	polo shir	t purple	L	5	0	
my +-	ql> SELE	+	nirts WHERE	last_worn=200 +			
my +- I	sql> SELE	CT * FROM s + article	hirts WHERE	+ shirt_size	last_worn	İ	
my +- I	sql> SELE shirt_id	CT * FROM s + article +	hirts WHERE	+ shirt_size +	last_worn	İ	
my + ! 	sql> SELE shirt_id 2 7	CT * FROM s +	color green	shirt_size S XS	last_worn 200 200	 	
my +- +- 1	sql> SELE shirt_id 2 7	CT * FROM s +	color green	+	last_worn 200 200	 	

	TE FROM shirt rows affecte		_worn=200;		
	CT * FROM shi		+		
shirt_id	article	color		last_worn	
		off white		10	
j 3	polo shirt	black	L	10	
1 4	tank top	blue	S	50	
5	t-shirt	pink	S	0	
j 6	polo shirt	red	į L	5	
1 8	tank top	blue	M	0	
9	polo shirt	purple	L	50	



rt purple L 50	6 polo shirt red 9 polo shirt purple
irts; cted (0.01 sec) shirts;	by the set (0.00 sec) mysql> DELETE FROM shirts; Query OK, 5 rows affected (0.01 s mysql> SELECT * FROM shirts; Empty set (0.00 sec) mysql> DROP TABLE shirts; Query OK, 0 rows affected (0.01 s mysql> show tables; Empty set (0.00 sec)