

Challenge 4: Create Store Database

Tuesday, April 4, 2017 11:46 AM

Clipped from: <https://www.khanacademy.org/computer-programming/spin-off-of-project-design-a-store-database/6069433116459008>

### Spin-off of "Project: Design a store database"

Your project is now marked as complete. You can continue working on it, of course, if you think of other ways to improve it. Keep practicing!

```
A Tool for Life','https://www.lendup.com
/education',15,'Your finances are an essential
tool for a good life. ');
23 INSERT INTO creditDebt VALUES(14,'Understanding
Loans and Lending - Capital One','https://www
.capitalone.com/.../loans/understanding-loans
-and-lending',15,'Understanding Loans and
Lending Most of us experience times in our lives
when we want or need to have access to larger
sums of money. ');
24
25
26 SELECT * FROM creditDebt ORDER BY id;
27 /** SELECT * FROM creditDebt WHERE price >=15
ORDER BY title;
28
29 SELECT * FROM creditDebt WHERE SUM(price) ORDER
BY title
30
```

#### DATABASE SCHEMA

|             |         |
|-------------|---------|
| creditDebt  | 14 rows |
| id (PK)     | INTEGER |
| title       | TEXT    |
| url         | TEXT    |
| price       | NUMERIC |
| description | TEXT    |

#### RESULTS

| id                            | title | url |
|-------------------------------|-------|-----|
| Congratulations!              |       |     |
| You earned 2100 points!       |       |     |
| ps://www.lendup.com/education |       |     |

Clipped from: <https://www.khanacademy.org/computing/computer-programming/sql/sql-basics/p/project-design-a-store-database>

COMPUTER PROGRAMMING > INTRODUCTION TO SQL: QUERYING AND MANAGING DATA

SQL basics

- Welcome to SQL
- Creating a table and inserting data
- Challenge: Book list database
- Querying the table
- Challenge: Box office hits database
- Aggregating data
- Challenge: TODO list database stats
- S-Q-L or SEQUEL?
- Project: Design a store database

Next tutorial: More advanced SQL quer...

### Spin-off of "Project: Design a store database"

Does your project meet these goals?

- Contains at least one table.  
Yes, I believe my project meets this objective.
- Each table has at least 2 columns and one of the columns is the ID.  
Yes, I believe my project meets this objective.
- Selects and orders some of the data.  
Yes, I believe my project meets this objective.
- Performs at least one additional SELECT statement using an aggregate function.  
Yes, I believe my project meets this objective.
- I certify that this is all my original work. If I took any parts from elsewhere, then they were non-essential parts of the project, and they are clearly attributed at the top. I will show I agree to this honor code by typing "Yes": Yes

```
1 /** Credit and Debt Courses
2 LendUp.com
3 **/
4
5 CREATE TABLE creditDebt (id INTEGER
PRIMARY KEY,title TEXT,url TEXT,price
NUMERIC, description TEXT);
6
7 INSERT INTO creditDebt VALUES(1,'Credit
Building Unveiled','https://www.lendup
.com/education',15,'Demystify the process of building a good credit
profile. ');
8
9 INSERT INTO creditDebt VALUES(2,'Know
Your Credit Rights','https://www.lendup
.com/education',15,'Learn your credit
rights and how to handle aggressive
creditors. ');
```

#### DATABASE SCHEMA

|             |         |
|-------------|---------|
| creditDebt  | 14 rows |
| id (PK)     | INTEGER |
| title       | TEXT    |
| url         | TEXT    |
| price       | NUMERIC |
| description | TEXT    |

#### RESULTS

| id | title                    | url                              | price | description                            |
|----|--------------------------|----------------------------------|-------|--|
| 10 | Beating Credit Card Risk | https://www.lendup.com/education | 35    | Manage the risk of credit cards.       |
| 5  | Build Your Credit:       | https://www.lendup.com/education | 25    | How to build your credit and use it as |

Create your own store! Your store should sell one type of things, like clothing or bikes, whatever you want your store to specialize in. You should have a table for all the items in your store, and at least 5 columns for the kind of data you think you'd need to store. You should sell at least 15 items, and use select statements to order your items by price and show at least one statistic about the items.

```
/** Credit and Debt Courses
LendUp.com
**/

CREATE TABLE creditDebt (id INTEGER PRIMARY KEY,title TEXT,url TEXT,price NUMERIC, description TEXT);

INSERT INTO creditDebt VALUES(1,'Credit Building Unveiled','https://www.lendup.com/education',15,'Demystify the process of building a good credit profile. ');

INSERT INTO creditDebt VALUES(2,'Know Your Credit Rights','https://www.lendup.com/education',15,'Learn your credit rights and how to handle aggressive creditors. ');

INSERT INTO creditDebt VALUES(3,'The True Cost of Credit','https://www.lendup.com/education',15,'Do you know the true cost of the credit you apply for?');
```

#### DATABASE SCHEMA

|             |         |
|-------------|---------|
| creditDebt  | 14 rows |
| id (PK)     | INTEGER |
| title       | TEXT    |
| url         | TEXT    |
| price       | NUMERIC |
| description | TEXT    |

#### RESULTS

```
INSERT INTO creditDebt VALUES(4,'Roadmap to Your Credit Report','https://www.lendup.com/education',15,'Understand the ins and outs of your credit report.');
```

```
INSERT INTO creditDebt VALUES(5,'Build Your Credit: Ladder to Success','https://www.lendup.com/education',25,'How to build your credit and use it as a tool for success.');
```

```
INSERT INTO creditDebt VALUES(6,'How to Protect Yourself Online','https://www.lendup.com/education',35,'Protect yourself from identity theft and unauthorized use of your credit.');
```

```
INSERT INTO creditDebt VALUES(7,'Pay Yourself First','https://www.lendup.com/education',20,'Learn the first rule of saving and wealth building.');
```

```
INSERT INTO creditDebt VALUES(8,'Better Budgeting','https://www.lendup.com/education',15,'Essential skills for building financial independence.');
```

```
INSERT INTO creditDebt VALUES(9,'Benefits of Your Credit Card','https://www.lendup.com/education',15,'Understand the power of using credit cards wisely.');
```

```
INSERT INTO creditDebt VALUES(10,'Beating Credit Card Risk','https://www.lendup.com/education',35,'Manage the risk of credit cards.');
```

```
INSERT INTO creditDebt VALUES(11,'What is Up With Your Finance Charges?','https://www.lendup.com/education',10,'Understand finance charges. The devil is in the details.');
```

```
INSERT INTO creditDebt VALUES(12,'Building Your Financial Future','https://www.lendup.com/education',25,'Design your financial future one transaction at a time.');
```

```
INSERT INTO creditDebt VALUES(13,'Your Finances: A Tool for Life','https://www.lendup.com/education',15,'Your finances are an essential tool for a good life.');
```

```
INSERT INTO creditDebt VALUES(14,'Understanding Loans and Lending – Capital One','https://www.capitalone.com/.../loans/understanding-loans-and-lending',15,'Understanding Loans and Lending Most of us experience times in our lives when we want or need to have access to larger sums of money.');
```

  

```
/** SELECT * FROM creditDebt ORDER BY id; **/
```

  

```
SELECT * FROM creditDebt WHERE price >15 ORDER BY title;
```

  

```
SELECT MAX(price) FROM creditDebt;
```

| id | title                                | url   | price | description   |
|----|--------------------------------------|---|-------|---|
| 10 | Beating Credit Card Risk             | <a href="https://www.lendup.com/education">https://www.lendup.com/education</a> | 35    | Manage the risk of credit cards.  |
| 5  | Build Your Credit: Ladder to Success | <a href="https://www.lendup.com/education">https://www.lendup.com/education</a> | 25    | How to build your credit and use it as a tool for success.                |
| 12 | Building Your Financial Future       | <a href="https://www.lendup.com/education">https://www.lendup.com/education</a> | 25    | Design your financial future one transaction at a time.                   |
| 6  | How to Protect Yourself Online       | <a href="https://www.lendup.com/education">https://www.lendup.com/education</a> | 35    | Protect yourself from identity theft and unauthorized use of your credit. |
| 7  | Pay Yourself First                   | <a href="https://www.lendup.com/education">https://www.lendup.com/education</a> | 20    | Learn the first rule of saving and wealth building.                       |

MAX(price)

35

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## Spin-off of "Project: Design a store database" Edit Title

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Request Help



Spin-off

Save

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### RESULTS

| id  | title | url                           |
|---|-------|-------------------------------|
| Congratulations!<br>You earned 2100 points! |       |                               |
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