

CS50 for MBAs

SQL

database

data mart

data warehouse

data lake

data

spreadsheet



AutoSave OFF



Book1



Home

Insert

Draw

Page Layout

Formulas

Data

Review

View

Share

Comments

A1



fx

	A	B	C	D	E	F	G	H	I	J	K
1											
2											
3											
4											
5											
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7											
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Sheet1



Ready



100%



Untitled spreadsheet

File Edit View Insert Format Data Tools Add-ons Help

Share



| 100% | \$ % .0 .00 123 | Default (Ari... | 10 | **B** *I* ~~S~~ A | ...

fx

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13							

cs50.ly/youtunes

raw data

cs50.ly/favorites

Favorite TV Shows

* Required

title *

Title of your favorite TV show

Your answer

genres *

Genre(s) of your favorite TV show

- Action
- Adventure
- Animation
- Biography



flat-file databases

CSV

relational databases

C
R
U
D

CREATE

READ

UPDATE

DELETE

SQL

CREATE

READ

UPDATE

DELETE

CREATE, INSERT

SELECT

UPDATE

DELETE

...

SQLite

DB Browser for SQLite

sqlitebrowser.org

```
SELECT columns FROM table WHERE condition;
```


AVG

COUNT

DISTINCT

MAX

MIN

...

WHERE

LIKE

LIMIT

GROUP BY

ORDER BY

JOIN

...

```
UPDATE table SET column=value WHERE condition;
```

```
DELETE FROM table WHERE condition;
```

```
INSERT INTO table (column, ...) VALUES(value, ...);
```

Assignment 7

Office Hours

CS50 for MBAs

SQL