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CISC 3140
Lab 9

For my intro to SQL, I went through khan academy because I found it simple enough to understand with examples that are cohesive. I have also inserted the other websites given for future reference because they have many examples to help me practice sql. Below, I will put a few of the beginner things that I learned.

Creating a table:

```
CREATE TABLE groceries (id INTEGER PRIMARY KEY, name TEXT, quantity INTEGER);
```

- id(Optional column name) INTEGER PRIMARY KEY: column with signifier that each row has its own value
- groceries: name of the table
- name: column
- TEXT: data type of name

Adding data:

```
INSERT INTO groceries VALUES (1, "bananas", 4);
```

- groceries: name of the table
- Input data in order of columns created id gets 1, name gets bananas, quantity gets 4

Retrieving info of specific column

```
SELECT name FROM groceries;
```

- Input name of column of interest and the name of the table
- This commands pulls everything under the column name
- Retrieving all of the column in specific order
 - SELECT * FROM groceries ORDER BY quantity;
 - * : indicates all columns

Filtering through results

```
SELECT * FROM groceries WHERE quantity < 2 ORDER BY quantity;
```

- This takes the results and filters out any item with a quantity greater than 2. It will show columns with quantities less than 2

<https://sqlzoo.net/>

<https://www.pgexercises.com/>