Folie 2 (Questions?):
--- NOT IN
https://www.w3resource.com/sqlite/in-operator.php
--- NOT EXISTS
https://www.sqlitetutorial.net/sqlite-exists/
--- UNION
https://www.sqlitetutorial.net/sqlite-union/
--- EXCEPT
https://www.sqlitetutorial.net/sqlite-except/
--- EXCEPT ALL

Folie 3 (Setting up Maneths Pub):

create all neccesary tables:

cocktails:

CREATE TABLE cocktails (Name TEXT NOT NULL, Ingr TEXT NOT NULL, Amount_cl REAL);
ingredients:

CREATE TABLE ingredients (Name TEXT NOT NULL, Alcohol REAL NOT NULL, InStock INTEGER, Price REAL);
soldby:

CREATE TABLE soldby (Ingredients TEXT NOT NULL, Supplier TEXT NOT NULL, DelTim INTEGER, Price REAL);
import all data from the csvs:
.separator ,
.import --skip 1 cocktails.csv cocktails
.import --skip 1 ingredients.csv ingredients
.import --skip 1 soldby.csv soldby

```
Folie 4 (Pub Queries):
Basic:
--- Find ingredients, that have no alcohol
SELECT * FROM ingredients WHERE alcohol = 0;
--- Find the ingredient with the most alcohol
SELECT * FROM ingredients WHERE alcohol = (SELECT max(alcohol) FROM ingredients);
--- At which supplier can we buy our ingredients?
SELECT * FROM ingredients i, soldby s WHERE i.name = s.ingredient;
--- How much is our current storage of beverages worth?
SELECT SUM(InStock * Price) Current FROM ingredients;
Advanced:
--- How many Ingredients have alcohol and how many have none?
SELECT COUNT(Alcohol) FROM ingredients WHERE Alcohol = 0;
SELECT COUNT(Alcohol) FROM ingredients WHERE Alcohol != 0;
Alternatively:
SELECT COUNT(Alcohol) FROM ingredients WHERE Alcohol > 0;
--- List the cocktails and their alcohol percentage
Subquerie:
SELECT * FROM cocktails c LEFT JOIN ingredients i ON c.Ingr = i.Name;
Solution:
SELECT Name, SUM(Amount cl * Alcohol)/sum(Amount cl) AS Percentage FROM (SELECT *
```

FROM cocktails c LEFT JOIN ingredients i ON c.Ingr = i.Name) GROUP BY Name ORDER BY

Percentage DESC;

Folie 14 (Any idea?): Found ideas: Let's look if mainly the animation movies don't have actors in them: Which genres are there? select distinct genre from genres; Order them: select distinct genre from genres order by genre; How does the joined table look: select * from movies natural join genres where genre = 'Animation' limit 20; How many animation movies are there? select count(*) from movies natural join genres where genre = 'Animation'; How much percent of the movies are animation movies? The craziest query anyone has ever seen: select (select count(*) from movies natural join genres where genre = 'Animation') * 1.0 / (select count(*) from movies); How many animation movies are there without actors? select count(*) from movies natural join genres where genre = 'Animation' and movieid not in (select movieid from actors2movies); Which are they? select * from movies natural join genres where genre = 'Animation' and movieid not in (select movieid from actors2movies) limit 20; Barbie looks interesting, are the Barbie movies always without actors? select * from movies natural join genres where genre = 'Animation' and movieid not in (select movieid from actors2movies) and originaltitle like '%Barbie%' limit 20; All Barbie movies: select * from movies where originaltitle like '%Barbie%'; First movie doesn't look like a Barbie movie. Let's check the genre on it: select * from movies natural join genres where originaltitle like '%Barbie%';