Kurs
Datenbankgrundlagen und Modellierung

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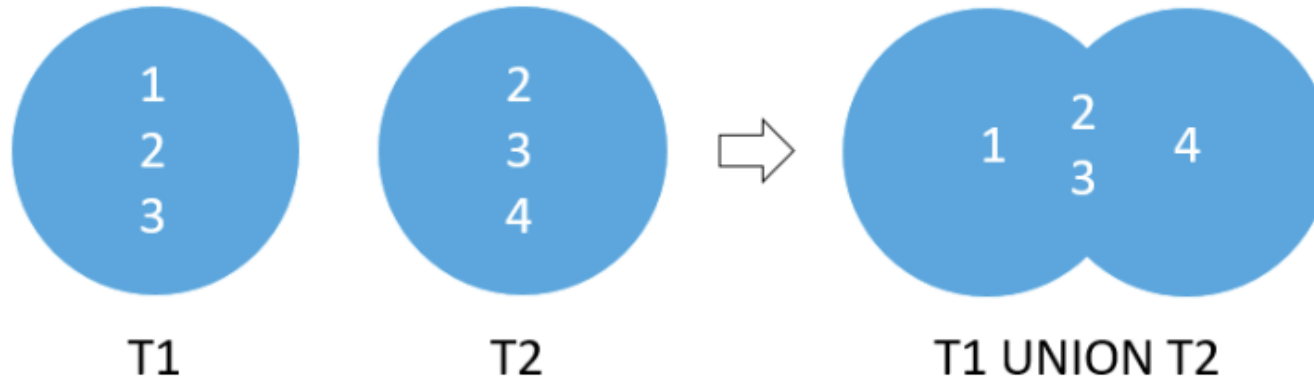SoSe 2023

24.05.2023

Tutorial 3: Maneths Pub and NOT Conditions

Tutor: Marcel Westenberg

Questions?

- (NOT) IN
- (NOT) EXISTS
- UNION
- EXCEPT

Setting up Maneths Pub:

1. Download the manethspub.sqlite3 file

2. Put it into the same directory as your other databases

3. sqlite3 manethspub.sqlite3

4. .tables

Pub Queries:

- Find ingredients, that have no alcohol
- Find the ingredient with the most alcohol
- At which supplier can we buy our ingredients?
- How much is our current storage of beverages worth?

- How many ingredients have alcohol and how many have none?
- List the cocktails and their alcohol percentage

Using our knowledge:

- how many movies have no director / producer / writer?
- how many movies have no budget information?
- how many movies have no grossworldwide?
- how many movies have no grossopeningweekend?
- how many movies have no rating / runtime / location?
- Bonus:
- how many movies have no actor?

how many movies have no director / producer / writer?

- select count(*) as cnt from movies where movieid NOT IN (select movieid from directors2movies);

cnt = 0

- select count(*) as cnt from movies where movieid NOT IN (select movieid from producers2movies);

cnt = 719

- select count(*) as cnt from movies where movieid NOT IN (select movieid from writers2movies);

cnt = 115

how many movies have no budget information?

- select count(*) cnt from movies where movieid NOT IN (select movieid from movies2budget);

cnt = 16950

how many movies have no grossworldwide?

- select count(*) cnt from movies where movieid NOT IN (select movieid from movies2grossworldwide);

cnt = 11594

how many movies have no grossopeningweekend?

- select count(*) cnt from movies where movieid NOT IN (select movieid from movies2grossopeningweekend);

cnt = 19316

how many movies have no rating / runtime / location?

- select count(*) cnt from movies where movieid NOT IN (select movieid from ratings);

cnt = 0

- select count(*) cnt from movies where movieid NOT IN (select movieid from runtimes);

cnt = 22

- select count(*) cnt from movies where movieid NOT IN (select movieid from locations);
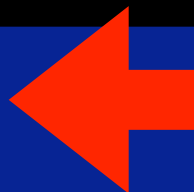
cnt = 4938

Bonus: how many movies have no actor?

- select count(*) as cnt from movies where movieid NOT IN (select movieid from actors2movies);

cnt = 6041 (that seems wierd...)

Let's dive deeper:

- select title, year from movies where movieid not in (select movieid from actors2movies);

```
| Abgerissen                       | 2019 |
| Ich habe meinen Körper verloren  | 2019 |
| Isi & Ossi                       | 2020 |
| Betonrausch                      | 2020 |
| The Owners                       | 2020 |
| Alle Sommersprossen der Welt     | 2019 |
| G-Loc                          G-| 2020 |
| The Hard Way                     | 2019 |
| Hooking Up                       | 2020 |
| Shabi Ke Mah Kamel Shod          | 2019 |
| Metri Shesh Va Nim               | 2019 |
| Villain                        V| 2020 |
| The Banana Splits Movie          | 2019 |
| Love Struck Sick                 | 2019 |
| End of the Century             E| 2019 |
| Children of the Sea            C| 2019 |
| Falling Inn Love               F| 2019 |
| Holidate                         | 2020 |
| Paranormal Investigation         | 2018 |
| Halahal                          | 2020 |
| Malang                         M| 2020 |
| VFW                            V| 2019 |
| Coffee & Kareem                  | 2020 |
| Kaithi                         K| 2019 |
| Enemy Lines                      | 2020 |
+----------------------------------+---+------+
sqlite> select title,year from movies where movieid not in (select movieid from actors2mo
vies);
```

Paranormal Investigation (2018)

Full Cast & Crew

Edit

IMDbPro See agents for this cast & crew on IMDbPro ↗

Alas, it means that our web extractor did not work well for this movie.

Directed by

Franck Phelizon

Cast

👤	Jose Atuncar	...	priest Tamaio
👤	Claudine Bertin	...	mme Duval
👤	Cedric Henquez		
👤	Jean-Baptiste Heuet	...	Dylan
👤	Andrei Indreies	...	Andrei
👤	Gabriella Jordan	...	Medium Gaby
👤	Cedric Maturana		
👤	Catalin Morar	...	L'étudiant
👤	Frederic Pare		

Paranormal Investigation

Details

Full Cast and Crew
Release Dates
Official Sites
Company Credits
Filming & Production
Technical Specs

⌄ **Explore More**

User Lists   Create a list »

Related lists from IMDb users

Top 45 horror movies
a list of 45 titles
created 13 Jan 2012

2019 - Horror movies

Any ideas?

General Form of an SQL Query:

```
SELECT      list of attributes
FROM        list of tables
WHERE       condition over attributes
GROUP BY    list of attributes
HAVING      condition over aggregates
ORDER BY    list of attributes
LIMIT       number
```

aggregate functions:

COUNT	VARIANCE
SUM	STDDEV
AVG	BIT_OR
MAX	BIT_AND
MIN	