

Wolf-Tilo Balke, Philipp Wille

SQL-Lab – Aufgabenblatt 5 – SQL Statements

Allgemeine Informationen

Die SQL Statements dieses Aufgabenblattes bilden die Grundlage für Aufgabenblatt 5. Bitte führt sie in der angegebenen Reihenfolge aus, um die Datenbank eures späteren Programms aufzubauen.

SQL Statements

```
CREATE TABLE participations (
                                        WITH himself(name, num) AS (
     actor VARCHAR(100) NOT NULL,
                                         VALUES('Ledger, Heath', 0)
     movie VARCHAR(400) NOT NULL,
     movie title VARCHAR(400) NOT NULL, first grade(name, num, actor1, title1) AS (
     PRIMARY KEY(actor, movie)
                                           SELECT DISTINCT
                                            actor_to, 1, actor_from, movie
                                           FROM actor_cooccurrence
    INSERT INTO participations (
                                           WHERE actor from
     SELECT DISTINCT
                                                IN (SELECT name FROM himself)
       a.name name,
                                           UNION ALL
                                           (SELECT h.*, '', '' FROM himself h)
       m.title id,
       m.title title
     FROM (
                                         second grade(
       SELECT * FROM imdb.actors
                                          name, num, actor1, title1, actor2, title2
2
       UNION ALL
                                         ) AS (
       SELECT * FROM imdb.actresses
                                          SELECT DISTINCT
                                           actor_to, 2, actor1, title1,
     ) AS a
     JOIN imdb.movies AS m
                                           actor_from, movie
      ON a.title_id = m.title_id
                                         FROM first_grade AS f
     WHERE m.title_year = 2008
                                           JOIN actor_cooccurrence
       AND m.title type = 'film'
                                           ON actor_from = f.name
                                          UNION ALL
                                           (SELECT f.*, '', '' FROM first_grade AS f)
    CREATE TABLE actor_cooccurrence AS ( ),
     SELECT DISTINCT
                                        third grade(
       pl.actor AS actor from,
                                          name, num, actor1, title1, actor2, title2,
       p2.actor AS actor to,
                                         actor3, title3
                                      ) AS (
       p1.movie_title AS movie
                                         SELECT DISTINCT
    FROM participations AS p1
     JOIN participations AS p2
                                           actor to, 3, actor1, title1,
       ON p1.movie = p2.movie
                                           actor2, title2, actor_from, movie
     WHERE pl.actor <> p2.actor
                                         FROM actor_cooccurrence
                                           JOIN second grade AS s
    DATA INITIALLY DEFERRED
                                            ON actor from = s.name
   REFRESH DEFERRED;
                                           UNION ALL
                                           (SELECT s.*,'','' FROM second_grade AS s)
   SET INTEGRITY FOR actor_cooccurrence
   IMMEDIATE CHECKED NOT INCREMENTAL;
                                        SELECT DISTINCT
                                        name, num, actor1, title1, actor2, title2,
   CREATE INDEX aco__actor_from
                                          actor3, title3
   ON actor_cooccurrence (actor_from); FROM third_grade
   CREATE INDEX aco__actor_to
                                        WHERE name = 'Depp, Johnny'
   ON actor_cooccurrence (actor_to);
                                      ORDER BY num ASC;
```