PopQuiz 2 - `SELECT`, `WHERE`, `ORDER BY`, and `LIMIT`

README

1. Complete the printout it without looking stuff up.
2. Test your answers (10 points for each correct answer) using the Org-mode version of the quiz (at tinyurl.com): select-pop and the test database `foods.sql`: foods-sql. Solution: select-pop-solution.
3. An answer is correct (10 points) if it runs and returns the correct result. You can give yourself extra points if you were close!
4. Grade yourself and submit your original paper copy to me no later than Tuesday, April 2, 2.30 pm, with your name and pledge.

Check that `test.db` in the current working directory contains the tables in `foods.sql`, `episodes`, `food_types`, `foods`, and `foods_episodes`:

```
```

Task 1: Basic `WHERE` clause usage

```
-- Find all foods with an id of 5. Print id and name.
```

Task 2: Using logical operators in `WHERE` clause

```
-- Select all foods whose type_id is either 1 (Bakery) or 2 (Cereal).
-- Print the name as "Name" and the type_id as "Type"
```

Task 3: String manipulation with `WHERE` clause

```
-- Find foods whose names start with 'Ch' and contain 'e'.
-- Print the names with the following header phrase:
-- `Names that start with 'Ch' and contain 'e'`.
```

Task 4: Using arithmetic expressions in `SELECT`

```
-- Find the name of each food along with its name length.
-- Display only the records 10 to 20
-- Show `Name` and `Length of Name` in the header
```

Task 5: Employing the `IN` operator

```
-- Select all foods whose type_id is either 3 (Chicken/Fowl) or 4
-- (Dairy) using the IN operator. Show only 10 rows, no offset.
```

Task 6: Combining string functions and `WHERE` clause

```
-- Select foods whose names end with 's' and are at least 20 characters
-- long. Pick an appropriate header name.
```

Task 7: Exploring the `ORDER BY` clause

```
-- List all foods in ascending order of their type_id, and descending
-- order of their names. Display only 10 rows starting after 100 rows.
```

Task 8: Using aggregate functions

```
-- Find the average length of food names.
```

Task 9: The `GLOB` pattern matching

```
-- Select foods whose names start with 'P' and contain an 'e'.
-- Use the GLOB operator instead of LIKE and * instead of %
```

Task 10: Complex `WHERE` with logical and relational operators

```
-- Find all foods whose name starts with B and are not of type_id 2
-- (Cereal) or type_id 1 (Bakery).
```

POINTS: __ / 100