

Exercises - Session 28



In case you get stuck anywhere, don't be afraid to ask the coaches! They are here to help and will gladly explain everything to you! Take notes during the exercises. Even if you never look at them again, they will help you memorise things!

Introduction to databases, Part 1

1. Find out if you have sqlite installed: Run `sqlite3 --version` in a terminal. In case you don't, ask a coach to help you install it.
2. Start an SQLite session with a new file called `database.sqlite`.
3. Set up your own `users` database. Start with the `CREATE TABLE` statement from the slides.
4. Fill the table with 10 rows of useful data using `INSERT` statements. You can take the examples from the slides and add some of your own.
5. Using Google, find out how you can ask SQLite how many entries are in the `users` table.
6. Write a query to calculate the average shoe size of your users.
7. Find out how to only return the first two entries of the `users` table by googling and try it out.
8. How can you sort the returned entries alphabetically by `last_name`?

Optional

1. Find out how to add a column to your user table. Add a column named `clothing_size` (floating point number) to your `users` table.
2. How can you make sure your SQLite does not allow empty (NULL) values for a column?
3. Find out how to remove entries from your `user` table and try it out!