Exercises

Some projection questions to start

- Show *all* the columns from the responses table in a query
- Show *all* the data in the *gender*, *journeymin* and *traveltype* columns
- Show the *degree name* and *course satisfaction values* for all the response

Projection with ordering

- Show the *degree name* and *ages*, sorted by age, ascending
- Show the *degree name* and ways that the course could be improved, ordered by degree, descending
- Show the *journeyminutes* and *age*, ordered by age and journeyminutes (both ascending)

Selection queries

- Show all the data for the Accounting and Finance students (only)
- Show all the data for students who are 18 and who travel time is more than 30 minutes
- Show all the data for male students, who live at home and have a course satisfaction of 4

Selection and projection

- Show all the living locations for female students
- Show all the course satisfaction ratings for students who live at home
- How many female Accounting and Finance students live at home and attend for more than 3 days a week?

The following questions are harder and use statistics and functions – which are **NOT** in the test next week, but will be useful in practicing your SQL skills.

Statistics

- How many Accounting and Finance students are there?
- What's the average age of the female students? Is this higher or lower than the average age of the male students?
- What's the total spend for breakfast of all the students on all the courses?
- What's the average journey time of Business with Accounting students?
- How many students prefer Subway as their café?
- Is it true that more Business with Accounting students live at home than live in University accommodation?
- Which is the favourite module for the Accounting and Finance students who live in University accommodation?

Thinking questions

- Which course has the happiest students?

- On average, who works more hours – men or women?
- Students on which course use the library more?
- How many people like Organisation Behaviour? Why?
- Do students who live at home work more hours (on average) than those that live on campus?
- Which course's students have (on average) more frequently thought about changing course?