# Task 1: Introduction to SQL

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## Introductory SQL

### Introduction

My ex-colleague Danny from DataWithDanny.com has a nice (complimentary) introductory tutorial on `SQL`.

Danny also offers a **Virtual Data Internship** which is a paid course for developing your SQL skills which I happily recommend.

### Task

The task is to complete one (or more) of Danny's 8 Week SQL Challenge case studies. Ideally you should present your code and results using a `Juypter` notebook and `DuckDB`. Alternatively, you can take a different approach with approach and/or presentation, although `DuckDB` is cool and a great tool to get experience with.

If you do use a `Jupyter` notebook, you can either run it on your *local machine*, or use a (free) hosted service like Google Colab.

### Danny's 8 Week SQL Challenge - Case Studies


1. Case Study 1
2. Case Study 2
3. Case Study 3
4. Case Study 4
5. Case Study 5
6. Case Study 6
7. Case Study 7
8. Case Study 8


### References

- Data with Danny
- Jupyter
- DuckDB
- Google Colab

### Version information

These are the versions of the packages and Python that I typically use at present.

### Packages

See `pyproject.toml` for package information.

### Python

```
logger.info(f"Python: {version}")
```

```
INFO     | Python: 3.11.9 (main, May  2 2024, 17:46:25) [Clang 15.0.0 (clang-1500.3.9.4)]
```