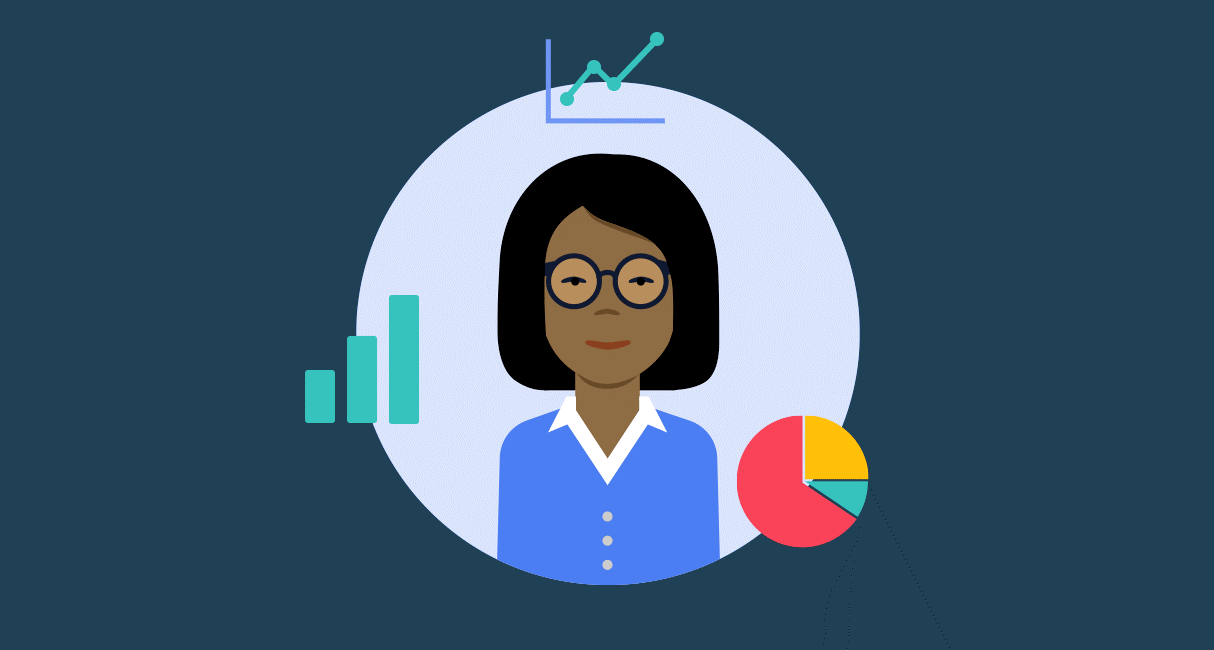
**A Day in the Life - Data Analyst**

It’s Catherine’s first day working as a Data Analyst for ACME. She’s excited to use some of the tools that she learned in **Learn SQL from Scratch**, such as:

* Writing basic queries
* Calculating aggregates
* Combining data from multiple tables
* Determining web traffic attribution
* Creating usage funnels
* Analyzing user churn



**Exploring Data with SQL**

A **database** is a set of data stored in a computer. This data is usually structured into *tables*. Tables can grow large and have a multitude of columns and records.

Spreadsheets, like Microsoft Excel and Google Sheets, allow you to view and manipulate data directly: with selecting, filtering, sorting, etc. By applying a number of these operations you can obtain the subset of data you are seeking.

SQL (pronounced “S-Q-L” or “sequel”) allows you to write *queries* which define the subset of data you are seeking. Unlike Excel and Sheets, your computer and SQL will handle *how* to get the data; you can focus on *what* data you would like. You can save these queries, refine them, share them, and run them on different databases.

Many databases use SQL (**S**tructured **Q**uery **L**anguage). It is a great way to access data and a great entry point to programming because its syntax (the specific vocabulary that gives instructions to the computer) is very human-readable. Without knowing any SQL, you might still be able to guess what each command will do.

On her first day at ACME, Catherine wants to become familiar with the company’s data, so she connects to the database and uses SQL to explore the database.

**Instructions**

**1.**

One of the tables in ACME’s database is called browse. It contains information on each time someone visited the ACME’s website. Paste the following code into the code editor (middle panel) and click Run.

SELECT \*

FROM browse

LIMIT 10;

This code will select all (\*) columns from browse for the first 10 records.

Once you correctly enter the code and click Run, this instruction will turn green, letting you know that you completed this checkpoint.

Hint

Examine the data in the far right panel:

* What columns are there?
* What kinds of questions do you have about the ACME’s website?

The columns are:

* user\_id
* browse\_date
* item\_id