Welcome to week 4; SQL and Databases

In the world of security, diversity is important.
Diverse perspectives are often needed to find effective solutions.
This is also true of the tools we use.
Your job will often require you to use a lot of diverse tools.
In the last section, we studied the Linux command line and learned how this tool can help you
search and filter through data, navigate through the Linux file system, and authenticate users.
Now, we'll learn about another tool.

In this section, we'll explore SQL and how it allows you to analyze data in a way needed for your
role as a security analyst.
We're going to start off by learning about relational databases and how they're structured.
From there, we're going to introduce SQL queries and how to use them to access data from
databases.
We then move on to SQL filters, which help us refine our queries to get the exact information we
need.
Lastly, we'll explore SQL joins, which allow you to combine tables together.

When I'm presented with a problem or a project at work, I often have to sift through a large amount
of data.
When I use SQL, I'm able to review data quickly and provide results with confidence since the
queries are
consistent and easily executed.

SQL is a very powerful and flexible tool.
Throughout this section, you'll learn how to use the parts of it you need as a security analyst and
gain hands-on experience.
Good luck, and I'll join you for the rest of the course!