Welcome to module 1

The process of learning a new programming language is similar to learning a new language.
For instance, like any human language, programming consists of words organized together to form lines of code.
Lines of code are used to communicate with a computer, similar to a sentence, telling it how to perform a task.
In this section, we're going to start learning the language needed to communicate with a computer as we explore some key components of Python.
We'll start by introducing the basics of programming, starting with why security analysts use Python.
Next, we'll start building the foundations for Python.
We'll discuss data types.
Then we'll cover variables.
Lastly, we're going to learn about specific statements we can make in Python, like conditional statements.
Conditional statements help us incorporate logic into our programs.
The second type of statement we'll learn about is the iterative statement.
Iterative statements allow us to repeat a line of code multiple times without having to rewrite it.
Learning Python helped me succeed in my career because using Python allows me to free up time from repetitive tasks, and instead, focus on more challenging tasks and problems.
Successfully applying automation reduces my overall workload, increases productivity, and reduces the risk of human error.
The use of automation also allows me to focus on my engineering tasks, which require more creativity, collaboration, and problem-solving.
Are you ready to start programming in Python?
Let's begin.

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