

# Welcome to module 3

As a security analyst,  
you'll work with a lot of data.  
Being able to develop solutions for  
managing this data is very important.  
What we're about to learn in  
Python will help you with that.  
Previously, we set  
foundations for what we're going to do in this section.  
We learned all about data types and variables.  
We also covered conditional and iterative statements.  
We learned about building  
functions and even created our own functions.  
Here, we'll build on that in a few different ways.  
First, you'll learn more about  
working with strings and lists.  
We'll expand the ways that you  
can work with these data types,  
including extracting characters from  
strings or items from lists.  
Our next focus is on writing algorithms.  
You'll consider a set of rules that can be applied in  
Python to solve a security-related problem.  
Finally, we'll further expand the ways we can search  
for strings when we explore using regular expressions.  
We're going to have a lot of fun, and you'll  
start writing some really interesting code in Python.  
I can't wait to get started.

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Revision #1

Created 23 December 2023 11:17:22 by naruzkurai

Updated 27 December 2023 11:35:24 by naruzkurai