0:00 Hello, and welcome to this Python for cybersecurity learning path. In this learning path, we're going to be talking about how to develop Python applications to solve cybersecurity problems. My name is Howard Poston, and I'm going to be your trainer for the courses in this learning path. My backgrounds in cybersecurity and I also have extensive experience in Python and course development. Currently I work as a freelance cybersecurity consultant and content creator and can be contacted with the information at the bottom here.

0:40 But let's talk about this learning path, so this learning path has three primary objectives. The first of these is to apply Python to cybersecurity, what we mean by this is we want to be able to develop custom Python scripts that help to automate certain cybersecurity tasks. And we want these Python scripts to be able to meet objectives throughout the cyber attack life-cycle, both on the attackers and the defender side.

1:13 And so we're going to be trying to automate common cyber attack and defense activities with Python.

1:21 And so the format of this course is drawing heavily on mitres attack and shield frameworks. If you're not familiar with these, they outline different ways that attackers can achieve goals throughout the cyber attack life cycle and how defenders can engage in active defense. So, when we talk about Python code in this course and develop some of our Python scripts, we're going to be looking at specific mitre attack and shield techniques. And, we're going to demonstrate how our Python scripts are able to achieve the various goals, that we are targeting from the offensive and defensive perspective, from the mitre attack and shield frameworks. And so, that's a brief introduction to this Python for cybersecurity learning path, and so let's get started.