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CompTIA FC0-U61: IT Fundamentals

Module 1 - IT Concepts and Terminology

- 0.1 Instructor Intro
- 1.1 Compare and Contrast Notational Systems
- 1.1 Compare and Contrast Notational Systems Demo
- 1.2 Compare and Contrast Fundamentals Data Types and Their Characteristics
- 1.3 Illustrate the Basics of Computing and Processing
- 1.4 Explain the Value of Data and Information
- 1.5 Compare and Contrast Common Units of Measures
- 1.5 Compare and Contrast Common Units of Measures Demo
- 1.6 Explain the Troubleshooting Methodology

Module 2 - Infrastructure

- 2.1 Classify Common Types of Input-Output Device Interfaces
- 2.2 Given a scenario, set up & install Common Peripheral Devices to a PC
- 2.2 Given a scenario, set up & install Common Peripheral Devices to a PC Demo
- 2.3 Explain the Purpose of Common Internal Computing Components
- 2.4 Compare & Contrast Common Internet Service Types-
- 2.5 Compare & Contrast Storage Types
- 2.6 Compare & Contrast Common Computing Devices & Their Purposes
- 2.7 Explain Basic Networking Concepts
- 2.7 Explain Basic Networking Concepts Demo
- 2.7 Explain Basic Networking Concepts Part 2
- 2.7 Explain Basic Networking Concepts Part 3
- 2.7 Explain Basic Networking Concepts Part 4
- 2.8 Given a scenario Install, Configure & Secure a Basic Wireless Network
- 2.8 Given a scenario Install, Configure & Secure a Basic Wireless Network Demo

Module 3 - Applications and Software

- 3.1 Explain the Purpose of Operating Systems
- 3.1 Explain the Purpose of Operating Systems Demo
- 3.2 Compare & Contrast Components of an Operating System
- 3.2 Compare & Contrast Components of an Operating System Demo
- 3.3 Explain the Purpose & Proper Use of Software
- 3.4 Explain Methods of Application Architecture & Delivery Models
- 3.5 Given a Scenario Configure & Use Web Browsers
- 3.5 Given a Scenario Configure & Use Web Browsers FireFox
- 3.5 Given a Scenario Configure & Use Web Browsers Demo Chrome
- 3.5 Given a Scenario Configure & Use Web Browsers Demo Edge
- 3.6 Compare & Contrast General Application Concepts & Uses

Module 4 - Software Development

- 4.1 Compare & Contrast Programming Language Categories-
- 4.2 Given a Scenario Use Programming Organizational Techniques & Interpret Logic-
- 4.3 Explain the Purpose & Use of Programming Concepts-
- 4.3 HTML Demo

Module 5 - Database Fundamentals

- 5.1 Explain Database Concepts and the Purpose of Databases
- 5.2 Compare and Contrast Various Database Structures
- 5.3 Summarize Methods Used to Interface with Databases
- 5.3 Summarize Methods Used to Interface with Databases Demo

Module 6 - Security

- 6.1 Summarize Confidentiality, Integrity, and Availability Concerns
- 6.2 Explain Methods to Secure Devices and Best Practices
- 6.3 Summarize Behavioral Security Concepts
- 6.4 Compare & Contrast Authentication, Authorization, Accounting, & Repudiation Concepts
- 6.5 Explain Password Best Practices
- 6.6 Explain Common Uses of Encryption
- 6.7 Explain Business Continuity Concepts
- 6.8 Takeaways-
- 6.9 ITF Fundamentals Conclusion