Cisco Programming for Network Engineers (PRNE) v2.0

Category: Software Development & Programming | **Vendor:** Cisco

Duration: 4.00 hours (1 days) **3.3 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: vILT

Course Overview

Learn how to retrieve data, configure network devices, and automate networks through Python scripts. The Cisco Programming for Network Engineers course includes theory and practical training on Python scripts, data types, data manipulation and storage methods, error management, and more.

About This Course

Learn how to retrieve data, configure network devices, and automate networks through Python scripts. The Cisco Programming for Network Engineers course includes theory and practical training on Python scripts, data types, data manipulation and storage methods, error management, and more.

Who Should Attend

Implementing and Administering Cisco Solutions (CCNA) v1.0, Implementing and Administering Cisco Solutions (CCNA) v1.0 e-Learning

Prerequisites & Entry Requirements

General Prerequisites:

Basic network management knowledge, Familiarity with Cisco IOS-XE software or other Cisco network device configuration and operation skills, Cisco CCNA certification or equivalent knowledge

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Course ObjectivesCreate a Python scriptDescribe data types commonly used in Python codingDescribe Python strings and their use casesDescribe Python loops, conditionals, operators, and their purposes and use casesDescribe Python classes, methods, functions, namespaces, and scopesDescribe the options for Python data manipulation and storageDescribe Python modules and packages, their uses, and their benefitsExplain how to manipulate user input in PythonDescribe error and exception management in PythonDescribe Python code debugging methods, Course ObjectivesCreate a Python scriptDescribe data types commonly used in Python codingDescribe Python strings and their use casesDescribe Python loops, conditionals, operators, and their purposes and use casesDescribe Python classes, methods, functions, namespaces, and scopesDescribe the options for Python data manipulation and storageDescribe Python modules and packages, their uses, and their benefitsExplain how to manipulate user input in PythonDescribe error and exception management in PythonDescribe Python code debugging methods, Course ObjectivesCreate a Python scriptDescribe data types commonly used in Python codingDescribe Python strings and their use casesDescribe Python loops, conditionals, operators, and their purposes and use casesDescribe Python classes, methods, functions, namespaces, and scopesDescribe the options for Python data manipulation and storageDescribe Python modules and packages, their uses, and their benefitsExplain how to manipulate user input in PythonDescribe error and exception management in PythonDescribe Python code debugging methods, Course ObjectivesCreate a Python scriptDescribe data types commonly used in Python codingDescribe Python strings and their use casesDescribe Python loops, conditionals, operators, and their purposes and use casesDescribe Python classes, methods, functions, namespaces, and scopesDescribe the options for Python data manipulation and storageDescribe Python modules and packages, their uses, and their benefitsExplain how to manipulate user input in PythonDescribe error and exception management in PythonDescribe Python code debugging methods, Course ObjectivesCreate a Python scriptDescribe data types commonly used in Python codingDescribe Python strings and their use casesDescribe Python loops, conditionals, operators, and their purposes and use casesDescribe Python classes, methods, functions, namespaces, and scopesDescribe the options for Python data manipulation and storageDescribe Python modules and packages, their uses, and their benefitsExplain how to manipulate user input in PythonDescribe error and exception management in PythonDescribe Python code debugging methods, Course ObjectivesCreate a Python scriptDescribe data types commonly used in Python codingDescribe Python strings and their use casesDescribe Python loops, conditionals, operators, and their purposes and use casesDescribe Python classes, methods, functions, namespaces, and scopesDescribe the options for Python data manipulation and storageDescribe Python modules and packages, their uses, and their benefitsExplain how to manipulate user input in PythonDescribe error and exception management in PythonDescribe Python code debugging methods, Course ObjectivesCreate a Python scriptDescribe data types commonly used in Python codingDescribe Python strings and their use casesDescribe Python loops, conditionals, operators, and their purposes and use casesDescribe Python classes, methods, functions, namespaces, and

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Detailed Course Outline

Analyzing Exceptions and Error Management, Analyzing Exceptions and Error Management, Analyzing Exceptions and Error Management, Examining Debugging Methods, Examining Debugging Methods, Examining Debugging Methods, Course Summary, Course Summary, Course Summary, LABS, LABS, LABS, Exploring Data Storage Options, Exploring Data Storage Options, Exploring Data Storage Options, Exploring Python Modules and Packages, Exploring Python Modules and Packages, Exploring Python Modules and Packages, Gathering and Validating User Input, Gathering and Validating User Input, Gathering and Validating User Input, Describing Conditionals, Loops, and Operators, Describing Conditionals, Loops, and Operators, Describing Conditionals, Loops, and Operators, Exploring Classes, Methods, Functions, Namespaces, and Scopes, Exploring Classes, Methods, Functions, Namespaces, and Scopes, Exploring Classes, Methods, Functions, Namespaces, and Scopes, Examining Python Data Types, Examining Python Data Types, Examining Python Data Types, Manipulating Strings, Manipulating Strings, Manipulating Strings, Scripting with Python, Scripting with Python, Scripting with Python, Introducing Programmability and Python for Network Engineers, Introducing Programmability and Python for Network Engineers, Introducing Programmability and Python for Network Engineers, Intro to Python, Intro to Python, Intro to Python, Data Types, Data Types, Data Types, Conditional and Loops, Conditional and Loops, Conditional and Loops, Reading and Writing Data to a File, Reading and Writing Data to a File, Reading and Writing Data to a File, Regular Expressions, Regular Expressions, Regular Expressions, Code Reuse, Code Reuse, Code Reuse, User Input, User Input, User Input, Troubleshooting, Troubleshooting, Troubleshooting, Lab Outline, Lab Outline, Lab Outline

Frequently Asked Questions

Q: What delivery options are available for Cisco Programming for Network Engineers (PRNE) v2.0?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 1-day Cisco Programming for Network Engineers (PRNE) v2.0 course provides up to 3.3 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Cisco Programming for Network Engineers (PRNE) v2.0 training?

The training takes place over 1 day(s), with each day lasting approximately 4.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Cisco Programming for Network Engineers (PRNE) v2.0?

Yes, we provide corporate training, dedicated training, and closed classes for Cisco Programming for Network Engineers (PRNE) v2.0. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Cisco Programming for Network Engineers (PRNE) v2.0, Cisco, vILT

Q: Why choose Nexus Human for Cisco Programming for Network Engineers (PRNE) v2.0?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Cisco Programming for Network Engineers (PRNE) v2.0 training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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