Mindluster Platform

About the course Programming for Network Engineers

Course Presenter : URDUIT Academy

Programming for Network Engineers Course: In this course, you will learn essential programming skills for network engineering. Explore Python, Bash, PowerShell, and more. Automate network tasks, manage devices, parse data, and develop network applications. With hands-on exercises, gain the expertise to streamline network operations and enhance efficiency. Suitable for network engineers and professionals, this course equips you with the programming knowledge needed to excel in network automation, configuration, and management, enabling you to optimize network performance and enhance your career prospects. URDUIT Academy

Computer Science Category's Courses

Course Lesson(33)

Lesson 1 :
Programming for Network Engineers Lecture 01 Introduction to Programming for Network Engineers

Lesson 2 :
Programming for Network Engineers Lecture 02 Installation of Python PIP IDE and books

Lesson 3 : **Programming for Network Engineers Lecture 03 Pyhton Variable print help code block**

Lesson 4 : **Programming for Network Engineers Lecture 04 Python Conditions if else elseif**

Lesson 5 : **Programming for Network Engineers Lecture 05 Pydoc concatenation string functions**

Lesson 6 : **Programming for Network Engineers Lecture 06 Python Loops reading and writing files**

Lesson 7 :
Programming for Network Engineers Lecture 07 Array Dictionary SSH Network Devices paramiko

Lesson 8 :
Programming for Network Engineers Lecture 08 Pyhton Data structure List Dictionary Sets Tuple

Lesson 9 :
Programming for Network Engineers Lecture 09 Comparing Network Devices information

Lesson 10 : **Programming for Network Engineers Lecture 10 Pyhton Condition if else elif**

Lesson 11 : **Programming for Network Engineers Lecture 11 Python Function part 1**

Lesson 12 : **Programming for Network Engineers Lecture 11 Python function Part 2**

Lesson 13 :
Programming for Network Engineers Lecture 12 OOP concepts class object and OOP principles

Lesson 14 :
Programming for Network Engineers Lecture 13 OOP Creating class and Objects in Python

Lesson 15 : **Programming for Network Engineers Lecture 14 Python Packages and Modules**

Lesson 16 : **Programming for Network Engineers Lecture 15 Python Storage and Files CSV JSON**

Lesson 17 :

Programming for Network Engineers Lecture 16 Software Development Lean Agile and Scrum

Lesson 18 : Programming for Network Engineers Lecture 17 What is API HTTP Header WSL

Lesson 19 : Programming for Network Engineers Lecture 18 How to Use REST API Postman Cisco DNA API

Lesson 20 : Programming for Network Engineers Lecture 19 What is Data Model YANG Data Model

Lesson 21 : Programming for Network Engineers Lecture 20 Pyang and Yang Explorer

Lesson 22 : Programming for Network Engineers Lecture 21 NETCONF

Lesson 23 : Programming for Network Engineers Lecture 22 RESTCONF

Lesson 24 : Programming for Network Engineers Lecture 23 NEXUS API CLI Nexus Programmability

Lesson 25 : Programming for Network Engineers Lecture 24 NEXUS API REST DATA MODEL

Lesson 26 : Programming for Network Engineers Lecture 25 NEXUS API REST POSTMAN

Lesson 27 : Programming for Network Engineers Lecture 26 Controller based Network Automation Ansible Python

Lesson 28 : Programming for Network Engineers Lecture 27 What is Ansible

Lesson 29 : Programming for Network Engineers Lecture 28 Configuring Ansible

Lesson 30 : Programming for Network Engineers Lecture 29 Version Control What is Git What is GitHub

Lesson 31 : Programming for Network Engineers Lecture 30 GIT Commit Update pull Push

Lesson 32 : Programming for Network Engineers Lecture 31 Why What Where and How of DevOps

Lesson 33 : Programming for Network Engineers Lecture 32 Last Lecture and Whats Next

Related courses

Linear Algebra for Computer Scientists

Insertion Sort

Bubble Sort

GCSE Computer Science

Random Access Memory

Binary Trees

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