

RHCE

60 Days Training Program



"Python: Changing the way you code."

IIHT Jaipur believe that upskilling is mightier than massive layoffs. And not just us, but countless companies attest to it and have adopted this approach in their businesses as well. The domain expertise these upskilled individuals bring in is what sets them apart. We focus on nurturing these aspects. So, whether you are a student in college or a fresh graduate entering corporate, we have something for you to offer. We are an online and offline training institution that provides students and professionals with courses in high demand. We provide training in a vast array of technologies, including Cloud Computing, DevOps, Cyber Security, Full stack development, Data Science, Digital Marketing, and Web Development, among others.

Python covers the principles of the language as well as how to apply it to various applications in the real world. The modules, projects, and assignments that make up the curriculum cover data operations in Python, strings, conditional statements, error handling, shell scripting, web scraping, and the Python web framework Django, which is widely used.

Build your talents for actual professional advancement

Curriculum that is cutting edge and was built in consultation with industry and academics to build skills that are job-ready.

Time To Crack Python

Leading practitioners who present the most recent and best practices as well as case studies to classes that are tailored to accommodate your work schedule.

Effortless Comprehension

Python is a simple and easy-to-learn programming language. However, you can opt for the IIHT Python courses to make it even more effortless for yourself. Assure yourself the fastest and most skillful learning process with our Python courses.



Routing Basics FIB Adjacency table

2. Explain general network challenges Unicast Out-of-order packets Asymmetric routing

3. Describe IP operations ICMP Unreachable and Redirects IPv4 fragmentation TTL and traceroute

4. Explain TCP operations IPv4 and IPv6 (P)MTU MSS Latency Window Bandwidth-delay product Global synchronization

5. Describe UDP operations Starvation Latency Configure and verify Authentication (PAP, CHAP) PPPoE (client side only) Explain Framing

6. Identify, configure, and verify IPv4 addressing and subnetting types (Unicast, broadcast, multicast, and VLSM) ARP

7. Routing Configure and verify static routing Configure and verify default routing Describe administrative distance Evaluate routing protocol types

1. Distance vector 2. Link state 3. Path vector Configure and verify RIPv2 1. Configure and verify loop prevention mechanisms

2. Split-horizon 3. Route poisoning Describe passive interfaces 1. Route tagging and filtering Describe EIGRP packet types Configure and verify EIGRP neighbor relationship and authentication Configure and verify EIGRP stubs Configure and verify EIGRP load balancing Equal cost 2. Unequal cost Describe and optimize EIGRP metrics Configure and verify filtering with any protocol (Route-map, distribute list, ACL) Configure and verify redistribution between any routing protocols or routing sources Configure and verify manual and autosummarization with any routing protocol Configure and verify policy-based routing Identify suboptimal routing Describe OSPF packet types Configure and verify OSPF neighbor relationship and authentication Configure and verify network types, area types, and router types Point-to-point, multipoint, broadcast, nonbroadcast 2. LSA types, area type: backbone, normal, transit, stub, NSSA, totally stub 3. Internal router, backbone router, ABR, ASBR 4. Virtual link Configure and verify OSPF path preference Configure and verify OSPF operations

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- File Handling Classes
- In Python Generations & Iterators
- Data Structures Collections

Deep Dive – Functions, OOPs, Modules, Errors and Exceptions

Topics

- Functions
- Function Parameters
- Global Variables
- Variable Scope and Returning Values
- Lambda Functions
- Object-Oriented Concepts
- Standard Libraries
- Modules Used in Python
- The Import Statements
- Module Search Path
- Package Installation Ways
- Errors and Exception Handling
- Handling Multiple Exceptions

Hands On/Demo

- Functions - Syntax, Arguments, Keyword Arguments, Return Values
- Lambda - Features, Syntax, Options, Compared with the Functions
- Sorting - Sequences, Dictionaries, Limitations of Sorting
- Errors and Exceptions - Types of Issues, Remediation
- Packages and Module - Modules, Import Options, sys Path

Skills

- Error and Exception management in Python
- Working with functions in Python

Python MySQL

Topics

- Environment Setup
- Database Connection
- Creating New Database
- Creating Tables
- Insert Operation
- Read Operation
- Update Operation
- Join Operation
- Performing Transactions

Python Tkinter

Topics

- Tkinter Button
- Tkinter Canvas
- Tkinter Checkbutton
- Tkinter Entry
- Tkinter Frame
- Tkinter Label
- Tkinter Listbox
- Tkinter Menubutton
- Tkinter Menu
- Tkinter Message
- Tkinter Radiobutton
- Tkinter Scrollbar
- Tkinter Text
- Tkinter MessageBox
- Tkinter PanedWindow
- Tkinter Toplevel
- Tkinter LabelFrame

IIHT

Connecting Talent to Opportunity

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