



**CYBERVIDYAPEETH
FOUNDATION**



AICTE

FREE 100 HOURS TRAINING ON CYBER DEFENSE ENGINEERING USING PYTHON

20th July - 14 August 2023

Time : 4 PM - 8 PM



Online Live
Classes



Continuous
Assessment



Join Course



Join Telegram Chanel



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<https://cybervidyapeeth.in/python>

Basic to intermediate Python

- Introduction To Computer Programming And
- Python Converting Number Data Types
- Converting Number Data Types
- Working With Strings And Variables
- Making Decisions: Conditional Statement
- Loops And Logic
- Creating Your First Real Program
- Creating Our Variables
- Defining Our Lists
- Introductory Text And Accepting Input From The User
- Functions, Modules, And Built-ins
- Using Classes And Objects
- What Is Oop

- What Are Classes ?
- What Are Objects?
- Creating Our First Object
- Inheritance, Subclasses, And More!
- Data Structures
- Tuples
- The Tuple Functions
- Working With Dictionaries
- Python Files
- Working With Files In Python
- Creating A Text File In Python Code
- Reading Files In Python

- Working With Directories
- Error Handling
- Finding Errors
- Types Of Errors
- Exceptions

Offensive-defense with Python

- Introduction To Computer Programming And Python Converting Number Data Types
- Write Your Second Python Program, a Zipfile Brute-Force Cracker
- Building a Port Scanner
- Constructing an SSH Botnet
- Mass Compromise with FTP
- Examining Metadata in PDFs and Microsoft Documents
- Geo-Locate Internet Protocol (IP) Traffic Discover Malicious DDoS Toolkits
- Uncover Decoy Network Scans
- Analyze Storm's Fast-Flux and Domain Flux

- Anonymously Browsing the Internet with the Mechanize Class
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- Mirroring Website Elements in Python Using BeautifulSoup
- Interacting with Google Using Python
- Interacting with Twitter Using Python
- Introduction to netcat (nc & ncat)
- Introduction to python sockets
- Write customized port scanner in python
- Perform banner grabbing on open ports using netcat

- Write Python Script To Bypass Traffic Using Socks
- Handling Urls Using Python
- Write Python Script To Perform Dictionary Attack On Web Servers
- Introduction to python shells
 - Write python reverse shell (Linux platform)
- Write python reverse shell (Windows platform)
- Write python bind shell
 - Using pyinstaller to create win32 executable file
 - Using pyinstaller to create ELF executable file (Linux)
- Using py2exe to create win32 executable file