

About CRISP

CRISP is established under the Indo-German Technical Cooperation Agreement as an autonomous organization of the Dept. of Technical Education, Skill Development & Entrepreneurship, Govt. of M.P.

CRISP provides technical training and consultancy services for Industry Personnel, Government Officers, Faculties of Academic & Training institutions, Students & Jobseekers. CRISP is equipped with the state-of-the-art labs & technology, latest software, qualified, trained and experienced trainers in the relevant fields.

Other training programmes in CS/IT :

AI & Data Science:

- AI & ML
- Advance Data Analytics

Office Management With AI:

- Accounting with Tally Prime
- MS Office/Open Office
- Advanced Excel

Programming Languages:

- C & C ++
- Java(J2SE)

Networking & Cybersecurity:

- CISCO IT Essentials (PCRM & Networking)
- CISCO Networking Essentials
- CISCO CCNA
- CISCO Cybersecurity Essentials

Database Management:

- ORACLE (OCA)

Web Designing



Patron Clients of CRISP



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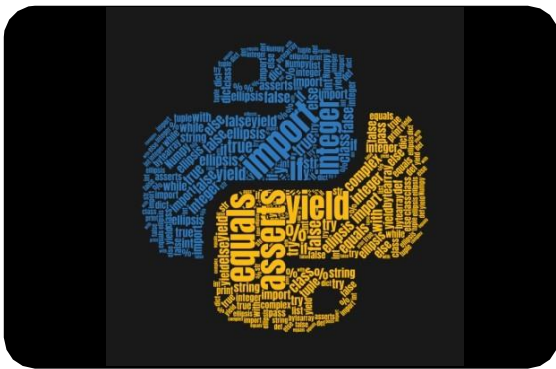
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CISCO PROGRAMMING ESSENTIALS IN PYTHON



...unleashing the full potential of men & machines

CISCO PROGRAMMING ESSENTIALS IN PYTHON



Introduction of Course

PCAP: Programming Essentials in Python (short form: Python Essentials) is a two-course series that covers all the basics of programming in Python, as well as general computer programming concepts and techniques, and the object-oriented approach.

The Python Essentials course series is divided into two parts:

Python Essentials 1 (PE1): BASICS, consisting of four modules;

Python Essentials 2 (PE2): INTERMEDIATE, consisting of four modules.

Each student has access to hands-on practice materials, labs, quizzes, and tests to learn how to utilize the skills and knowledge gained on the course and interact with some real-life programming tasks and situations.

Students who complete the course will be able to accomplish coding tasks related to the basics of programming in the Python language, and to understand the fundamental notions and techniques used in object-oriented programming.

Course Contents

- Module 1 -**
Introduction to Python and Computer Programming
- Module 2 -**
Data Types, Variables, Basic Input-Output Operations, Basic Operators
- Module 3 -**
Boolean Values, Conditional Execution, Loops, Lists and List Processing, Logical and Bitwise Operations

- Module 4 -**
Functions, Tuples, Dictionaries, and Data Processing
- Module 5 -**
Modules, Packages and PIP
- Module 6 -**
String and List Methods, and Exceptions
- Module 7 -**
The Object-Oriented Programming
- Module 8 -**
Miscellaneous (Generators, Iterators, Closures, File Streams, Processing Text And Binary Files, The OS Time, Determine and Calendar Module)

Methodology

The programme consists of a mix of :

- Lectures and presentations
- Demonstrations
- Interactive discussions
- Hands-on practice

Pre-requisite

- 12th/ITI/Diploma/Degree.
- Working knowledge of Computer

Duration

Full time : 5 working days (8 hours/day)
Part time: 4 weeks (20 working days, 2 hours/day)

Course Fee

Corporate participant: Rs.20000/-+GST(Non Residential)
Fee is subsidized for Jobseekers/students

Mode of Payment

Cash / UPI/ Online/ Debit/ Credit Card