

Krafting Your Skills

COURSE : PYTHON (Core & Advance)

DURATION : 80 Hours

CORE PYTHON

INTRODUCTION
<ul style="list-style-type: none">• History• Features• Setting up path• Working with Python• Basic Syntax• Variable and Data Types• Operator
CONDITIONAL STATEMENTS
<ul style="list-style-type: none">• If• If- else• Nested if-else
LOOPING
<ul style="list-style-type: none">• For• While• Nested loops
CONTROL STATEMENTS
<ul style="list-style-type: none">• Break• Continue• Pass
STRING MANIPULATION
<ul style="list-style-type: none">• Accessing Strings• Basic Operations• String slices• Function and Methods
LISTS
<ul style="list-style-type: none">• Introduction• Accessing list• Operations• Working with lists• Function and Methods

TUPLE
<ul style="list-style-type: none">• Introduction• Accessing tuples• Operations• Working• Functions and Methods
DICTIONARIES
<ul style="list-style-type: none">• Introduction• Accessing values in dictionaries• Working with dictionaries• Properties• Functions
FUNCTIONS
<ul style="list-style-type: none">• Defining a function• Calling a function• Types of functions• Function Arguments• Anonymous functions• Global and local variables
MODULES
<ul style="list-style-type: none">• Importing module• Math module• Random module• Packages• Composition
INPUT – OUTPUT
<ul style="list-style-type: none">• Printing on screen• Reading data from keyboard• Opening and closing file• Reading and writing files• Functions
EXCEPTION HANDELING
<ul style="list-style-type: none">• Exception• Exception Handling• Except clause• Try ? finally clause• User Defined Exceptions

ADVANCE PYTHON

OOPs CONCEPT
<ul style="list-style-type: none">• Class and object• Attributes• Inheritance• Overloading• Overriding• Data hiding
REGULAR EXPRESSIONS
<ul style="list-style-type: none">• Match function• Search function• Matching VS Searching• Modifiers• Patterns
CGI
<ul style="list-style-type: none">• Introduction• Architecture• CGI environment variable• GET and POST methods• Cookies• File upload
DATABASE
<ul style="list-style-type: none">• Introduction• Connections• Executing queries• Transactions• Handling error
NETWORKING
<ul style="list-style-type: none">• Socket• Socket Module• Methods• Client and server• Internet modules
MULTITHREADING
<ul style="list-style-type: none">• Thread• Starting a thread• Threading module• Synchronizing threads• Multithreaded Priority Queue
GUI PROGRAMING
<ul style="list-style-type: none">• Introduction• Tkinter programming• Tkinter widgets