

PYTHON COURSE CONTENT

CORE PYTHON

- Introduction to python
 - Types of translators
 - Assembler
 - Compiler
 - Interpreter
 - Diff between compiler and interpreter

 - Python features
 - Diff between java and python
 - Types of python applications
 - Python tokens
 - Identifiers
 - Keywords
 - Literals
 - Operators

 - Types Comment lines
 - Diff ways to declare variables
 - Accepting values from the key board by using input() and raw input()methods
 - What is split(), 'end' and 'sep' parameter
 - List comprehension
 - Control structure
 - Conditional statements
 - Looping Statements
 - Jumping Statements

 - Arrays
 - Strings
 - Doc strings
 - Functions
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 - Functions
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- *args and **kwargs
 - Lambda functions
 - Lambda functions with map() and filter()
 - Return statement

 - OOps concepts in python
 - Classes and objects
 - Encapsulation
 - Abstraction
 - Inheritance
 - Polymorphism

 - str() vs repr()
 - Decorators
 - Metaclasses
 - Lists
 - Tuple
 - Python dictionary
 - Sets
 - Frozensets
 - Python date and time
 - Python calendar module
 - Files
 - Exception handling
 - Modules
 - GUI programming in TKINTER
 - Containers
 - Steps to implement GUI application
 - Layout managers
 - Place()
 - Pack()
 - Grid()
 - TK widgets
 - Buttons
 - Labels
 - Entry
 - Spinbox
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- Scrollbars
- Messagebox
 - Canvas
 - slider
 - Listbox
 - Bitmaps
 - Menus
 - Checkbuttons
 - Radiobuttons
 - Frame

ADVANCE PYTHON

- Regularexpressions
- Iterators
- Generators
- Randomnumbers
- Reducefunction
- sorted()function
- Threading inpython
- Fractionmodule
- OSmodule
- Enumerationsmodule
- Permutations andcombination
- Collectionmodule
- MYSQLintroduction
 - Features ofMYSQL
 - Who usesMYSQL
 - Types of SQLcommands

Modifying structure of the table using alter command

- DataBase Connection inpython
 - Benefits of python for databaseprogramming
 - Steps to connect python with MYSQLdatabase
 - Functions
 - Developing databaseapplications
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