PYTHON CONTENT

Language Fundamentals

Python LF

Session - 1 Introduction To Python

Session - 2 Features of Python

Session - 3 Python Identifiers

Session - 4 Reserved Words N Data Types

Session - 5 Data Types Part-1

Session - 6 Data Types Str N Slice Operator

Session - 7 Type Casting

Session - 8 Fundamental Data Types Vs Immutability

Session - 9 Data Types Part-2

Session - 10 Data Types Part-3

Operators

Python Operators

Session - 11 Operators Part-1

Session - 12 Operators Part-2

Session - 13 Operators Part-3

Session - 14 Operators Part-4

Input And Output Statements

Session - 15 Input Streams Part-1

Session - 16 Command Line Arguments

Session - 17 Output Streams

Flow Control

Pattern Program

Session - 18 Flow Control Conditional Statements

Session - 19 Flow Control Iterative Statements

Session - 20 Flow Control Transfer Statements

String Data Typ

Session - 21 Pass Statement N Str Data Type

Session - 22 Str Slice Operator

Session - 23 mathematical operators on string

Session - 24 Str Functions Part-1 Session - 25 Str Functions Part-2 Session - 26 Str Functions Part-3 Session - 27 Str Example Programs

List Data Structure

Session - 28 List Data Type

Session - 29 List Functions Part-1 Session - 30 List Functions Part-2

Session - 31 Nested List

Tuple Data Struct

Session - 32 List Slice N Tuple Session - 33 Tuple Data Type Session - 34 Set Data Type

Dictionary Data Structure

Session - 35 Dict Data Type Part-1 Session - 36 Dict Data Type Part-2

Functions

Session - 37 Functions Part-1

Session - 38 Functions Part-2

Session - 39 Functions Part-3

Session - 40 Recursive Fun N Lambda Functions

Session - 41 Lambda Functions

Session 42,43,44,45 are coved as separate topics at last:

Decorators and Generators

Modules

Session - 46 Modules

Session - 47 Random Module

Packages

Session - 48 Packages

Object Oriented Programming (OOPs)

OOP-Part - 1

OOPs-Part - 2

OOP Part - 3

OOPs Part - 4

Session - 60 OOP's Introduction

Session - 61 OOP's Class Object Reference variable

Session - 62 OOP's Constructor Vs Method

Session - 63 OOP's Types of variables

Session - 64 OOP's Accessing Of Static Variables

Session - 65 OOP's Small Bank application development

Session - 66 OOP's Types Of Methods

Session - 67 OOP's passing members of one class to another class

Session - 68 OOP's Inner Classes

Session - 69 OOP's Garbage Collection

Session - 70 OOP's Inheritance part-1

Session - 71 OOP's Inheritance IS-A Vs HAS-A

Session - 72 OOP's Types of Inheritances

Session - 73 OOP's MRO(C3Algorithm)

Session - 74 OOP's super() method

Session - 75 OOP's Polymorphism Duck Typing Phylosophy

Session - 76 OOP's Operator overloading

Session - 77 OOP's Method Overloading N Overriding

Session - 78 OOP's Abstract Method N Abstract Class

Session - 79 OOP's Interface Vs Abstract Class Vs Concrete Class

Session - 80 OOP's str() Vs repr()

Exception Handling

Exception Handling

Session - 49 Exception Handling Part-1

Session - 50 Exception Handling Part-2

Session - 51 Exception Handling Part-3

Session - 52 Exception Handling Part-4

Session - 55 File Handling Part-1 Session - 56 File Handling Part-2

Session - 57 File Handling Part-3

Session - 58 File Handling Part-4

Session - 59 Pickling N Unpickling

Multi Threading

Multi Threading

Session - 81 Multithreading Introduction

Session - 82 Multithreading methods N Deamon Thread

Session - 83 Multithreading Synchronization by Lock N RLock

Session - 84 Inter Thread Communication By Using Event N Condition

Session - 85 Inter Thread Communication By Using Queue

Python Database Programming

Python Database Programming

Session - 89 PDBC with Oracle

Session - 90 PDBC with Mysql

Regular Expressions

Regular Expressions

Session - 86 Regular Expression Part-1

Session - 87 Regular Expression Part-2 including Web Scraping

Decorator Functions

22.DECORATOR-FUNCTIONS-STUDY-MATERIAL

Session - 1

Session -2

Generator Functions

23. Generator-Functions-Study-Material

Session - 1

Assertions

ASSERTIONS

Session - 1

Logging Module

Python Logging Module

Session - 1

Session - 2

Shallow Copy and Deep Copy

Session - 88 Shallow Copy Vs Deep Copy

Pydoc- Python Documentation Tool

Session - 91 Pydoc-Python Documentation Tool

Python Unit Testing

- 1. Python Unit Testing
- 2. Python Unit Testing With Selenium

- 3. Limitations of Unit Testing and Introduction to PyTest
- 4. Implementing setUp,tearDown,setUpclass,tearDownClass mechansims in P
- 5. Testing GoogleSearch and HMS Login and Logout Functionality by using Py