

Python Fullstack Course Content

Core Python

1. Introduction to python
2. History Of Python
3. Advantages & Disadvantages of Python
4. Introduction to Interpreter
5. Python Installation
6. Python Program Execution Flow
7. Python Syntaxes
8. Introduction to IDE (Eclipse, PyCharm)
9. Python Program Development
10. Identifiers, keywords
11. Basic data types
12. Dynamic Typing
13. Type conversion functions
14. Operators
15. Operator Precedence
16. input/output
17. Reading User Input
18. Displaying Output
19. Formatting Output
20. Variables, expressions
21. Operators
22. Selection control statements
 - (if, if..else)
23. range data type ,indexing and slicing
24. Iterative control statements
 - (while, for..in, while...else, for..in .. else)
25. Transfer control statements
 - (Break & continue)
26. Python strings
27. List
28. Tuple
29. Set
30. Dictionary
31. Functions
32. Definition and advantages of a function
33. Understanding scope
34. Default arguments
35. Keyword arguments
36. Variable length arguments
37. Lambda expressions
38. Documentation & Annotations
39. Types of arguments
40. Scope of variables
41. Global variables
42. Local variables
43. Nested functions
44. Lambda functions
45. Exceptions
46. Syntax errors vs Runtime errors
47. Handling, Raising exceptions
48. Built-in exceptions
49. MemoryError
50. NameError
51. ValueError
52. TypeError
53. User-defined exceptions
54. Clean-up actions

✉ : codingcreatros@gmail.com

☎ :8897814073/8919210748

PYTHON OOPS AND ADVANCED CONCEPTS

55. Introduction to OOPS 56. OOPS principles 57. Classes and Objects 58. Instance variables 59. Instance methods 60. Class variables, 61. Class methods 62. Constructors 63. Inheritance 64. Abstract classes 65. Inner classes 66. Exception handling 67. Regular expressions 68. File handling 69. Accessing (reading / writing) files 70. Serialization 71. Multithreading 72. Introduction to Database 73. Python Database Connectivity 74. CRUD Operations with Database 75. Unit Testing 76. Mini Projects Development 77. Debugging

Django Framework

78. Introduction to Web Development
79. Introduction to Django Framework
80. Features of Django
81. Django Installation
82. MVC Model
83. HTTP Concepts
84. Views
85. URL Mapping
Templates
86. Django Template Language
87. Utilities of Templates
88. Creating Template Objects
89. Tags, Variables and Filters
90. Rendering Templates
91. Template Inheritance

Django Forms

92. Form Handling
93. Form Classes
94. Form validations and Error Messages
95. Form Display
96. Capturing Form data
97. Advanced Form Processing

Django Models

98. Django Models

99. Model Fields

- 100. Model Inheritance
- 101. Primary keys and the Model
- 102. Dynamic Webpages
- 103. Toggle Hidden Content
- 104. JQuery and AJAX integration
- 105. Serialization and Deserialization

REST API Development

- 106. Django REST Framework
- 107. REST Principles
- 108. Serializer class
- 109. Model Serializers
- 110. REST APIs
- 111. JSON, parsing object to JSON and back
- 112. Swagger
- 113. POST MAN
- 114. REST Client Development
- 115. REST Security

Misc Discussion

- 116. Page redirection Sending
- 117. Emails Deploying Django
- 118. framework Generic views File
- 119. uploading Cookie handling
- 120. Session Management Mini
- 121. Projects Development
- 122.
- 123.

TOOLS

- 124.
- 125. Git HUB
Jenkins