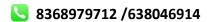


Python Course Content

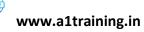
Core Python

- 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, PyCharam)
- 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





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- 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)





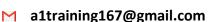


- 26. Python strings
- 27. List
- 28. Tuple
- 29. **Set**
- 30. Dictionary
- 31. Functions
- 32. Definition and advantages of a function
- 33. Understanding scope
- 34. Default arguments
- 35. Keyword arguments
- 36. Variable length arguments
- 37. Lambda expressions
- 38. Documentation & Annotations
- 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

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53. User-defined exceptions







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54. Clean-up actions

