

PYTHON CURRICULUM FOR DATA SCIENCE

• CORE PYTHON

- INTRODUCTION TO PYTHON
- PYTHON ENVIRONMENT SETUP
- PYTHON SYNTAX
- PYTHON STATEMENT, INDENTATION AND COMMENTS
- PYTHON INTERPRETER
- PYTHON VARIABLES AND DATA TYPES
- PYTHON VARIABLE SCOPE
- PYTHON IDENTIFIERS
- PYTHON NAMESPACE
- PYTHON OPERATORS
- PYTHON NUMBERS
- PYTHON STRINGS
- PYTHON DATA STRUCTURES
- PYTHON LISTS
- PYTHON TUPLES
- PYTHON DICTIONARIES
- PYTHON SETS AND BOOLEANS
- SEQUENCES AND COLLECTIONS
- PYTHON DECISION -MAKING
- PYTHON LOOPS
- PYTHON FUNCTIONS
- PYTHON BUILT-IN FUNCTIONS
- PYTHON RANGE()
- PYTHON ZIP()
- PYTHON FUNCTIONS ARGUMENTS
- LAMBDA FUNCTION

● ADVANCE PYTHON

- PYTHON CLASSES
- PYTHON METHODS
- PYTHON METHODS VS FUNCTIONS
- CONSTRUCTORS IN PYTHON
- PYTHON OBJECTS
- PYTHON INHERITANCE
- PYTHON DATETIME MODULE
- PYTHON RANDOM MODULE
- FILE HANDLING
- LIST COMPREHENSION IN PYTHON
- PYTHON MODULES AND PACKAGES
- EXCEPTION HANDLING
- PYTHON REGULAR EXPRESSION
- PYTHON VIRTUAL ENVIRONMENT