

Python Programming Course Content

Introduction to Programming

Introduction to high level programming

Setting up environment: Python installation, Jupyter notebook

Values and variables: Integer and String Values, Identifiers, User Input and Program Output, String Formatting

Expression and arithmetic

Ordered Sequences (1) : String, Tuples, Lists , Mutable vs. Immutable Data types

Conditional statements : IF / Else

Iterations: Loops, Nested loops

Unordered Sequences: Sets, Dictionary

Function Basics , Parameter Passing

Scope of a Variable

Recursion, Files, Exceptions