Python Programming

Python is a high-level, interpreted programming language used for various applications such as web development, data analysis, artificial intelligence, and machine learning.

- Basic syntax and data types
- Variables and constants
- Operators and expressions
- Control structures (if, else, elif, while, for)
- A Functions and recursion
- Lists, tuples, and dictionaries
- Strings and regular expressions
- Objects and classes
- File handling and input/output
- Inheritance and polymorphism
- Exception handling
- Modules and packages Standard libraries (math, datetime, etc)