

Python Notes

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Happy Learning.....

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Python Basics

1.1 Introduction

Python is a well-liked high-level programming language known for its ease of use and adaptability. "Guido Van Rossum" developed Python in the late 1980s, and it has since become widely used in a variety of fields such as web development, data analysis, artificial intelligence, scientific computing, and more.

Python is known for its readable syntax, which focuses readability of the code and lowers of the cost of program maintenance. Code blocks are defined by indentation, which eliminates the need for explicit braces or keyword and improves the consistency and clarity of the code.

The procedural and object-oriented programming paradigms are both supported by Python, giving developers more freedom when creating software structures. Through classes and modules, it promotes code reuse and modularity, making it simple to handle complicated projects.

Python's huge standard library, which provides a variety of pre-built modules and functions that makes certain jobs easier, is one of its strengths. This library makes it easier for developers to manipulate files, communicate over networks, analyse data and more.

Python's dynamic typing system promotes quick development by allowing variables to be assigned without