

Document Title



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Document Body

Python is one of the most popular programming languages. It's simple to use, packed with features and supported by a wide range of libraries and frameworks. Its clean syntax makes it beginner-friendly.

- A high-level language, used in web development, data science, automation, AI and more.
- Known for its readability, which means code is easier to write, understand and maintain.
- Backed by library support, so we don't have to build everything from scratch, there's probably a library that already does what we need.

Object Oriented Programming is a fundamental concept in Python, empowering developers to build modular, maintainable and scalable applications.

OOPs is a way of organizing code that uses objects and classes to represent real-world entities and their behavior. In OOPs, object has attributes thing that has specific data and can perform certain actions using methods.

OOP Concepts in Python

Python supports the core principles of object-oriented programming, which are the building blocks for designing robust and reusable software. These are:

- Class
- Objects
- Polymorphism
- Encapsulation
- Inheritance
- Data Abstraction

