

- What industries use Python?
- Python is used in various industries such as music, data science, machine learning, artificial intelligence, system administration, automation, web development, game development, computer graphics, mobile development, cyber security, and business.
- What is a module in Python?
- A module in Python is a building block and can be either a built-in module, external module, or user-defined module. External modules can be downloaded from the internet.
- What are some data types supported in Python?
- Python supports various data types such as integers, strings, lists, tuples, and dictionaries. It also has a special data type called NoneType, which is used to define a null value or no value at all.
- What types of operators does Python have?
- Python has various operators such as logical, identity, membership, arithmetic, assignment, comparison, and bitwise operators. It also has modules such as math and random that allow for more complex mathematical operations.
- Are lists mutable in Python?
- Yes, lists in Python are mutable and can be modified.
- What types of conditionals and loops does Python have?
- Python supports conditionals such as if-else statements and loops such as for and while loops.
- What is a dictionary in Python?
- A dictionary in Python is a built-in data structure used to store key-value pairs.
- What are the different types of functions in Python?
- What are the main loops used in Python?
- What is recursion in Python?
- What is inheritance and encapsulation in Python?
- What is polymorphism in Python?
- What is abstraction in Python?
- What are modules in Python?
- What are classes and objects in Python?
- What are instance methods and static methods in Python?
- What is a constructor in Python?
 - What is file handling in Python?
 - What are regular expressions in Python?
- Python Function Types: recursion function, lambda function, and anonymous function
- Loops and Iteration: for loop, while loop
- Recursion
- Inheritance and Encapsulation: inheritance, encapsulation
- Polymorphism: method overloading, method overriding
- Abstraction: abstract classes, abstract methods
- Modules: code organization, import functionality