

1. What is Object-Oriented Programming (OOP)?
2. What are the four principles of OOP?
3. What is a class in Python?
4. What is an object in Python?
5. What is inheritance in OOP?
6. What is polymorphism in OOP?
7. What is encapsulation in OOP?
8. What is abstraction in OOP?
9. What is the difference between a class and an object?
10. How do you create a class in Python?
11. What is the `__init__` method in Python?
12. How do you create an object in Python?
13. What is the `self` keyword in Python?
14. What is method overriding in Python?
15. What is method overloading in Python?
16. What is a constructor in Python?
17. What is a destructor in Python?
18. What is a static method in Python?
19. What is a class method in Python?
20. What is the difference between a static method and a class method?
21. What is a decorator in Python?
22. What is the `@staticmethod` decorator in Python?
23. What is the `@classmethod` decorator in Python?
24. What is inheritance and how do you implement it in Python?
25. What is multiple inheritance and how do you implement it in Python?
26. What is `super()` in Python?
27. What is a mixin in Python?
28. What is a metaclass in Python?
29. What is the difference between an abstract class and an interface?
30. What is a module in Python?
31. What is a package in Python?
32. What is the difference between a module and a package?

- 33.How do you import a module in Python?
- 34.How do you import a function from a module in Python?
- 35.How do you import a class from a module in Python?
- 36.How do you install a package in Python?
- 37.What is pip in Python?
- 38.What is virtualenv in Python?
- 39.How do you create a virtual environment in Python?
- 40.What is a docstring in Python?
- 41.How do you document a class in Python?
- 42.How do you document a function in Python?
- 43.What is a lambda function in Python?
- 44.What is map() in Python?
- 45.What is filter() in Python?
- 46.What is reduce() in Python?
- 47.What is a generator in Python?
- 48.What is a list comprehension in Python?
- 49.What is a tuple in Python?
- 50.What is a dictionary in Python?