

Dict

1. How do you create an empty dictionary?
2. How do you add a key-value pair to a dictionary?
3. How do you access a value in a dictionary using its key?
4. How do you update the value associated with a specific key in a dictionary?
5. How do you remove a key-value pair from a dictionary?
6. How do you check if a key exists in a dictionary?
7. How do you get the number of key-value pairs in a dictionary?
8. How do you get all the keys from a dictionary?
9. How do you get all the values from a dictionary?
10. How do you convert two lists (keys and values) into a dictionary?
11. How do you iterate over the key-value pairs in a dictionary?
12. How do you merge two dictionaries?
13. How do you remove a key from a dictionary and return its value?
14. How do you sort a dictionary by its keys?
15. How do you sort a dictionary by its values?
16. How do you get the value for a key without raising an error if the key doesn't exist?
17. How do you reverse the key-value pairs in a dictionary?
18. How do you find the key with the maximum value in a dictionary?
19. How do you check if two dictionaries are equal?
20. How do you get a dictionary's items as a list of tuples?
21. How do you create a dictionary with default values for missing keys?
22. How do you count the occurrences of each element in a list using a dictionary?
23. How do you group a list of items by a certain property using a dictionary?
24. How do you remove multiple keys from a dictionary at once?
25. How do you combine two dictionaries, summing values for common keys?
26. How do you use a dictionary to simulate a switch-case statement?
27. How do you nest dictionaries and access deeply nested values?
28. How do you invert a dictionary, i.e., swap keys and values?
29. How do you find the intersection of two dictionaries (keys that exist in both)?
30. How do you handle mutable objects as dictionary keys, and what problems can it cause?