Python Quiz Results

Topic: INTRODUCTION_TO_PYTHON

Level: INTERMEDIATE

Score: 1/20 (5.00%)

#	Question	Your Answer	Correct Answer	Result
1	What is the difference between a list and a tuple in Python?	Lists have more built-in methods	Lists are mutable, tuples are immutable	'
2	What does isinstance(value, type) do?	Returns the type of value	Checks if value is an instance of type	'
3	What is the data type of None in Python?	empty	NoneType	'
4	What will be the value of x after executing the code: x = [1, 2, 3]; y = x; y.append(4)?	Error	[1, 2, 3, 4]	'
5	What is a list comprehension in Python?	A built-in function	A condensed way to create lists	'
6	What is the output of the code: print(list(range(5)))?	[5]	[0, 1, 2, 3, 4]	'
7	How do you access the value of a dictionary with key "name" and provide a default value "Unknown" if the key doesn't exist?	dict.get("name", "Unknown")	dict.get("name", "Unknown")	'
8	What does the `pass` statement do in Python?	It validates password input	It acts as a placeholder (does nothing)	'
9	What will the following code print? x = 10; x += 5; print(x)	Error	15	'
10	What is the purpose of the "if __name__ == '__main__'" statement?	To set the program's entry point	To determine if the script is being run directly or imported	'
11	What is a lambda function in Python?	A recursive function	An anonymous, inline function	'
12	What does the `continue` statement do in a loop?	Pauses the loop execution	Skips the current iteration and moves to the next	'
13	How do you remove duplicates from a list while preserving order?	Use the distinct() method	Use list(dict.fromkeys(my_list))	'
14	What does string slicing notation [start:end:step] do?	Replaces characters in a range	Extracts characters from start to end with the given step	'
15	What is the purpose of the `with` statement in Python?	To improve performance	To create a code block with special context	'
16	What does the `dir()` function do?	Provides documentation for a module	Lists the attributes of an object	'
17	How are keyword arguments passed to a function?	Using a tuple of values	Using name=value syntax	'
18	What is the purpose of the `zip()` function?	To speed up code execution	To combine multiple iterables into a single iterable of tuples	'
19	What is a generator function in Python?	A function with automatic memory management	A function that returns an iterator using yield	'
20	What does the `any()` function do with an iterable?	Returns the count of truthy elements	Returns True if any element is truthy	'