

Objective Questions

1. What does the following code do? ``print("Hello, world!")``
 - a) Prints "Hello, world!" to the screen
 - b) Adds two numbers together
 - c) Creates a list
2. How do you store the value 5 in a variable called ``x``?
 - a) ``x = 5``
 - b) ``5 = x``
 - c) ``x == 5``
3. What is a dictionary in Python?
 - a) A book with words and their meanings
 - b) A collection of key-value pairs
 - c) A type of snake
4. What is the output of ``print(3 + 7)``?
 - a) 10
 - b) 37
 - c) 3 + 7
5. Write a Python code to calculate the square of a number.
 - a) ``def square(x): return x * x``
 - b) ``square = x * x``
 - c) ``x ** 2``
6. What does the ``if`` statement do in Python?
 - a) Executes a block of code only if a condition is true
 - b) Loops through a block of code
 - c) Prints a message to the screen
7. How do you check if a number is even in Python?
 - a) ``if num % 2 == 0:``
 - b) ``if num / 2 == 0:``
 - c) ``if num == even:``
8. How do you import a module in Python?
 - a) import
 - b) include
 - c) add

9. What is the output of ``print("Hello" + " " + "world")``?
- a) "Hello world"
 - b) "Helloworld"
 - c) Error
10. Write a Python code to count the number of characters in a string.
- a) ``len(string)``
 - b) ``string.length()``
 - c) ``count(string)``
11. How do you create an empty list in Python?
- a) ``my_list = []``
 - b) ``my_list = {}``
 - c) ``my_list = ()``
12. Write a Python code to add two numbers.
- a) ``sum = num1 + num2``
 - b) ``add(num1, num2)``
 - c) ``num1 += num2``
13. What does the ``range()`` function do in Python?
- a) Generates a sequence of numbers
 - b) Reverses a list
 - c) Finds the length of a list
14. How do you access an item in a dictionary?
- a) Using `[]`
 - b) Using `{}`
 - c) Using `()`
15. What does the "if" statement do in Python?
- a) It repeats a block of code
 - b) It checks a condition and runs code if true
 - c) It prints something to the screen
16. Write a Python code to reverse a string.
- a) ``reversed_string = string[::-1]``
 - b) ``string.reverse()``
 - c) ``reversed(string)``
17. What is the output of ``print("abc" * 3)``?

- a) "abcbabcabc"
- b) "aaabbbcccc"
- c) "abc3"

18. How do you remove an item from a list in Python?

- a) ``my_list.remove(item)``
- b) ``my_list.pop()``
- c) ``del my_list[index]``

19. What is a variable in Python?

- a) A value that never changes
- b) A container for storing data
- c) A type of snake

20. What does the ``append()`` method do in Python lists?

- a) Adds an item to the end of the list
- b) Removes an item from the list
- c) Reverses the list

21. What is a loop in Python?

- a) A type of dance move
- b) A way to repeat code
- c) A type of snake

22. How do you print something in Python?

- a) `console.log()`
- b) `print()`
- c) `display()`

23. How do you define a function in Python?

- a) `def`
- b) `function`
- c) `define`

24. What does the "return" statement do in a function?

- a) It ends the function
- b) It returns a value from the function
- c) It prints a message

25. What are some things you can do with Python?

- a) Play games
- b) Write programs
- c) Cook dinner

26. How do you convert a string to uppercase in Python?

- a) `string.upper()`
- b) `convert_upper(string)`
- c) `uppercase(string)`

27. How do you write a comment in Python?

- a) Using `//` symbol
- b) Using `#` symbol
- c) Using `/* */` symbols

28. Why is Python called a programming language?

- a) Because it's used to write programs
- b) Because it's used to talk to snakes
- c) Because it's used to make phone calls

29. What is Python?

- a) A type of snake
- b) A programming language
- c) A type of food

30. How do you create an object in Python?

- a) Using a class
- b) Using a loop
- c) Using a function

