

25 Python Objective Questions

1. What is the correct way to start a Python program?

- A) BEGIN
- B) main()
- C) def main():
- D) No specific entry point

2. Which of the following represents correct indentation in Python?

- A) if x > 5: (4 spaces)
- B) if x > 5: (1 space)
- C) if x > 5: (2 spaces)
- D) if x > 5: (tabs only)

3. What will be the output of type(10.5) in Python?

- A) <class 'float'>
- B) <class 'int'>
- C) <class 'number'>
- D) <class 'decimal'>

4. Which of the following is not a valid variable name?

- A) _myVar
- B) 2ndVar
- C) my_var
- D) variable_1

5. Which of these functions is used to get the data type of a variable?

- A) type()
- B) dtype()
- C) datatype()
- D) gettype()

6. Which of the following is a composite data type?

- A) int
- B) str
- C) list
- D) bool

7. What is the difference between a List and a Tuple?

- A) Lists are mutable, Tuples are immutable
- B) Tuples are mutable, Lists are immutable
- C) Both are immutable
- D) Both are mutable

8. What is the output of `print([1, 2, 3] + [4, 5])`?

- A) `[1, 2, 3, [4, 5]]`
- B) `[1, 2, 3, 4, 5]`
- C) `TypeError`
- D) `None`

9. Which of these can hold duplicate elements?

- A) Set
- B) List
- C) Dictionary keys
- D) None of the above

10. What is the main difference between an array and a list in Python?

- A) Lists can hold elements of different data types
- B) Arrays can hold elements of different data types
- C) Arrays are always immutable
- D) Lists cannot be resized

11. Which function is used to take input from the user?

- A) `input()`
- B) `read()`
- C) `in()`
- D) `scan()`

12. What is the output of `int('7.5')`?

- A) 7
- B) `ValueError`
- C) 7.5
- D) `TypeError`

13. What is a docstring in Python?

- A) Inline documentation within triple quotes
- B) Error in the function definition

- C) String outside a function
- D) None of the above

14. Which of the following can be used for multi-line comments?

- A) `''' comment '''`
- B) `# comment`
- C) `// comment`
- D) `/* comment */`

15. Which method can be used to concatenate two strings?

- A) `+`
- B) `&`
- C) `concat()`
- D) `merge()`

16. Which formatting method allows embedding variables directly inside a string?

- A) `.format()`
- B) f-string
- C) `%`
- D) `join()`

17. What will be the output of `print("{:5}".format(10))`?

- A) 10
- B) 10
- C) 0010
- D) 10

18. What will `"{:,.2f}".format(1234.56789)` produce?

- A) 1,234.57
- B) 1234,56
- C) 1234.567
- D) 1234.57

19. Which of the following escape sequences is used to insert a backspace?

- A) `\b`
- B) `\t`
- C) `\\`
- D) `\n`

20. Which escape sequence is used to start a new line?

- A) \b
- B) \n
- C) \v
- D) \r

21. Which method will you use to convert a string into a list of characters?

- A) split()
- B) list()
- C) set()
- D) str()

22. What will print(range(1, 10, 2)) output?

- A) 1, 3, 5, 7, 9
- B) 2, 4, 6, 8, 10
- C) 1, 2, 3, 4, 5, 6, 7, 8, 9
- D) Error

23. Which of the following functions returns the number of items in an iterable?

- A) len()
- B) size()
- C) count()
- D) length()

24. Which statement is used to skip the current iteration of a loop?

- A) skip
- B) pass
- C) continue
- D) break

25. Which function is used to terminate a loop?

- A) exit
- B) continue
- C) break
- D) terminate