

Basic Python MCQs (50 Questions)

1. What is the correct file extension for Python files?

- a) .pyth b) .pt c) .py d) .pyt

2. How do you insert comments in Python?

- a) // comment b) /* comment */ c) # comment d) <!-- comment -->

3. What is the output of `print(2 + 3 * 5)`?

- a) 25 b) 17 c) 15 d) 30

4. Which of the following is not a keyword in Python?

- a) def b) while c) loop d) for

5. How do you start a function in Python?

- a) function myFunction(): b) create myFunction(): c) def myFunction(): d) fun myFunction():

6. Which function is used to get user input?

- a) input() b) get() c) scanf() d) read()

7. How do you print without a newline at the end?

- a) `print("Hello", stop="")` b) `print("Hello", newline=False)`

- c) `print("Hello", end="")` d) `print("Hello", nl=False)`

8. Which of the following is used to define a block of code in Python?

- a) {} b) begin/end c) Indentation d) ()

9. What is the data type of: `x = "123"`?

- a) Integer b) String c) Float d) Boolean

10. What is the result of: `bool("")`?

- a) True b) False c) None d) Error

11. What does `len("Python")` return?

- a) 5 b) 6 c) 7 d) 0

12. What is the output of `type(3.14)`?

a) int b) float c) double d) decimal

13. Which operator is used for exponentiation?

a) ^ b) ** c) ^^ d) exp

14. What is the output of 10 // 3?

a) 3.33 b) 3 c) 4 d) 3.0

15. What does x = None mean?

a) x is zero b) x is a null pointer c) x has no value d) x is a string

16. What is the result of True + True?

a) 1 b) 2 c) True d) Error

17. What is the correct way to assign multiple variables at once?

a) a, b = 1, 2 b) a = b = 1, 2 c) a := 1, b := 2 d) a == 1, b == 2

18. What is the result of not (True and False)?

a) True b) False c) Error d) None

19. Which of the following is mutable?

a) tuple b) str c) list d) int

20. What is the output of: print(5 != 5)?

a) True b) False c) None d) Error

21. What is the correct syntax for an if statement in Python?

a) if x == 10 then: b) if x = 10: c) if x == 10: d) if (x == 10)

22. How do you write an infinite loop in Python?

a) while true: b) while(1) c) while True: d) loop forever:

23. What is the output of:

for i in range(3): print(i)?

a) 1 2 3 b) 0 1 2 c) 1 2 d) 0 1 2 3

24. What does break do in a loop?

a) Ends the program b) Skips to next iteration c) Exits the loop d) Continues the loop

25. What does continue do?

a) Exits the loop b) Skips this iteration c) Repeats from beginning d) Skips all iterations

26. Which keyword is used for defining loops?

a) loop b) repeat c) for d) iterate

27. What does range(5) return?

a) [0,1,2,3,4,5] b) [1,2,3,4,5] c) [0,1,2,3,4] d) [5,4,3,2,1]

28. What is the result of sum([1, 2, 3])?

a) 6 b) 123 c) 5 d) [1,2,3]

29. What is the correct way to define a function?

a) func myFunc(): b) def myFunc(): c) define myFunc(): d) function myFunc():

30. What is the output of print("Hello" * 3)?

a) Hello b) HelloHelloHello c) Error d) 3Hello

31. What is the output of "python".upper()?

a) python b) PYTHON c) Python d) error

32. How do you access the first character of a string s = "hello"?

a) s[1] b) s(0) c) s[0] d) first(s)

33. Which method adds an element to a list?

a) add() b) insert() c) append() d) extend()

34. What is the output of len([1, [2, 3], 4])?

a) 3 b) 4 c) 5 d) Error

35. Tuples are:

a) Mutable b) Immutable c) Sortable only d) Unordered

36. What is slicing?

a) Breaking strings b) Dividing lists c) Extract using index d) Sorting

37. Which of these creates an empty list?

a) [] b) {} c) () d) None

38. What is the output of 'a' in 'cat'?

a) True b) False c) 1 d) Error

39. How do you join a list ['a','b'] to a string?

a) ''.combine(list) b) join(' ', list) c) ''.join(['a','b']) d) join(['a','b'], ' ')

40. Which method removes an item from a list by index?

a) delete() b) remove() c) pop() d) discard()

41. How do you handle errors in Python?

a) try/except b) try/catch c) try/catch/finally d) try/on

42. Which keyword is used to import modules?

a) load b) import c) require d) include

43. What is math.sqrt(9)?

a) 81 b) 3 c) 4.5 d) Error

44. How do you install external packages in Python?

a) python get b) pip install <package> c) install package d) python install

45. Which function returns the type of a variable?

a) typeof() b) whatType() c) type() d) gettype()

46. What does __init__ refer to in Python?

a) A loop b) A constructor method c) A destructor d) A private variable

47. What is the extension for compiled Python files?

a) .pyc b) .exe c) .pyd d) .pyx

48. How do you start a Python shell?

a) py shell b) python c) start python d) run python

49. What is PEP8?

a) Python game b) Code style guide c) IDE for Python d) Compiler

50. Python was created by:

a) Dennis Ritchie b) Bjarne Stroustrup c) Guido van Rossum d) James Gosling