Python MCQS Day5

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1. **Which of the following is the correct syntax to define a function in Python?**
   A) function myFunc():
   B) define myFunc():
   C) def myFunc():
   D) func myFunc():
2. **What keyword is used to send a value back from a function?**
   A) send
   B) return
   C) yield
   D) back
3. **Which of the following is a built-in function in Python?**
   A) custom_func()
   B) add()
   C) print()
   D) execute()
4. **What does the len() function return?**
   A) The length of a function
   B) The number of lines in code

C) The length of an object like list or string
D) The memory address of a list

5. **What is the purpose of range() function in Python?**
   A) To reverse a string
   B) To create a list of numbers in a sequence
   C) To define a range of floats
   D) To count words in a string
6. **What type of functions are created by users in Python?**
   A) Default functions
   B) Custom loops
   C) User defined functions
   D) Static functions
7. **What happens if you call a function without required parameters?**
   A) Returns 0
   B) Gives an error
   C) Automatically fills values
   D) Calls another function
8. **What is the default return type of a function that doesn't have a return statement?**
   A) 0
   B) False
   C) None
   D) Empty string
9. **What is a default parameter?**
   A) A parameter that is mandatory
   B) A parameter with a predefined value
   C) A parameter that causes an error if used
   D) None of the above

10. **Which of the following uses a default parameter?**
    A) def func(a):
    B) def func(a, b=10):
    C) def func(a, b, c):
    D) def func():
11. **Which of the following represents a function that returns the square of a number?**
    A) def square(x): return x ** 2
    B) def square(x): print(x ** 2)
    C) square = (x) => x^2
    D) def square(): return x * x
12. **What is the correct way to create a lambda function that multiplies two numbers?**
    A) lambda x, y: x * y
    B) lambda (x, y): x * y
    C) def lambda x, y: return x * y
    D) function lambda(x, y) x * y
13. **Which of the following is NOT a valid built-in function?**
    A) type()
    B) len()
    C) range()
    D) loop()
14. **Which of the following can be passed as a parameter to a function?**
    A) Only integers
    B) Only strings
    C) Any data type
    D) Only lists

15. **What will the function return if it has no return statement?**
    A) 0
    B) Error
    C) None
    D) Undefined
16. **Which function call is correct for: def greet(name):**
    A) greet = name("Subhan")
    B) greet["Subhan"]
    C) greet("Subhan")
    D) greet -> "Subhan"
17. **What does WAF stand for in context of coding practice?**
    A) Write a File
    B) Write a Function
    C) Write and Forget
    D) With all Functions
18. **What is the output of print(len([1, 2, 3, 4]))?**
    A) 3
    B) 4
    C) [1,2,3,4]
    D) Error
19. **Which of the following defines a function with default parameters?**
    A) def sum(a, b=5):
    B) def sum(a=5, b):
    C) def sum(a+b=5):
    D) sum def(a, b=5):

20. **Which keyword is used to define a function in Python?**
    A) define
    B) function
    C) def
    D) func
21. **What does the return statement do in a function?**
    A) Returns a variable from main scope
    B) Ends the program
    C) Exits a loop
    D) Exits the function and optionally sends a value back
22. **Which of these is true about functions in Python?**
    A) Functions can't be nested
    B) Functions cannot return values
    C) Functions can take input and return output
    D) Functions are always recursive
23. **Which of the following is correct syntax to call a function with keyword arguments?**
    A) myfunc(10, 20)
    B) myfunc(a=10, b=20)
    C) myfunc(10=b, 20=a)
    D) myfunc(10:20)
24. **How to print all elements of a list in one line in Python?**
    A) Use print(list)
    B) Loop and print each element separately
    C) Use for i in list: print(i, end=" ")
    D) Both A and C

25. How do you create an anonymous function to subtract two numbers?

A) lambda x, y: x - y
B) def x, y: return x - y
C) function(x, y): x - y
D) subtract = lambda: x - y

✅ Answer Key:

1. C
2. B
3. C
4. C
5. B
6. C
7. B
8. C
9. B
10. B
11. A
12. A
13. D
14. C
15. C
16. C
17. B
18. B
19. A
20. C
21. D
22. C
23. B

24. D
25. A