

National University of Computer and Emerging Sciences, Lahore Campus



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Exam: Quiz 1

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Page(s): 4
Reg. No.

Q1. What is the output of the following code?

`x = 5, y = 10`

`print(x = y)`

- ☒ a. True b. False c. 5 d. 10

Q2. Which of the following is a mutable data type in Python?

- a. int b. float c. str ☒ d. list

Q3. What is the result of the expression `5 // 2`?

- a. 2.5 ☒ b. 2 c. 3 d. 5

Q4. What is the syntax for an if-else statement in Python?

- ☒ a. `if x > y:` b. `if x < y then:` c. `if x > y do:` d. `if x > y {`

Q5. Which of the following is not a loop in Python?

- a. for b. while ☒ c. repeat d. do

Q6. What is the result of the expression `not (5 > 3)`?

- a. False ☒ b. True c. None d. Error

Q7. What is the syntax for a for loop in Python?

- ☒ a. `for i in range(n):` b. `for i in n:` c. `for (i=0; i<n; i++):` d. `for each i in`
`n:`

Q8. What is the result of the expression `(5 > 3) or (3 > 5)`?

- ☒ a. True b. False c. None d. Error

Q9. What is the result of the expression `(5 > 3) and (3 > 5)`?

- a. True ☒ b. False c. None d. Error

Q10. What is the syntax for a while loop in Python?

- ☒ a. while x < y:
y) { b. while (x < y): c. while x < y do: d. while (x < y) {

Q11. What is the data type of the following variable x after the following code is executed?

x = 5

- ☒ a. int b. float c. str d. list

Q12. What is the result of the expression 5 % 2?

- a. 2 ☒ b. 1 c. 0 d. 3

Q13. What is the syntax for a function in Python?

- a. function(x): ☒ b. def x(): c. function x(): d. def function(x):

Q14. What is the output of the following code?

x = 5 y = 3 print(x > y)

- ☒ a. True b. False c. 5 d. 3

Q15. What is the result of the expression 2 ** 3?

- a. 5 b. 6 ☒ c. 8 d. 9

Q16. What is the syntax for a break statement in a loop in Python?

- a. break x b. x break ☒ c. break d. x stop

Q17. What is the result of the expression 5 < 3?

- a. True ☒ b. False c. None d. Error

Q18. What is the syntax for a continue statement in a loop in Python?

- a. continue x b. x continue ☒ c. continue d. x skip

Q19. What is the output of the following code?

x = [1, 2, 3]

print(len(x))

- ☒ a. 3 b. 2 c. 1 d. 0

Q20. What is the result of the expression "Hello" + "World"?

- ☒ a. HelloWorld b. Hello World c. 'Hello' 'World' d. Error

Q21. What is the data type of the following variable x after the following code is executed?

x = [1, 2, 3]

- a. int b. float c. str ☒ d. list

Q22. What is the result of the expression (5 > 3) or (3 > 5)?

- ☒ a. True b. False c. None d. Error

Q23. How do you define a tuple in Python?

- ☒ a. tup = (1, 2, 3) b. tup = [1, 2, 3] c. tup {1, 2, 3} d. tup = 1, 2, 3

Q24. What is the result of the expression 5 * 2?

- a. 2 ☒ b. 10 c. 5 d. 0

Q25. How do you define a dictionary in Python?

- ☒ a. d = {'a': 1, 'b': 2, 'c': 3} b. d = (1, 2, 3) c. d = [1, 2, 3] d. d = 'a': 1, 'b': 2, 'c': 3

Q26. What is the output of the following code?

x = [1, 2, 3] print(x[0])

- ☒ a. 1 b. 2 c. 3 d. 0

Q27. How do you define a set in Python?

- ☒ a. s = {1, 2, 3} b. s = [1, 2, 3] c. s = (1, 2, 3) d. s = '1', '2', '3'

Q28. What is the syntax for raising an exception in Python?

- ☒ a. raise Exception b. throw Exception c. exit Exception d. stop Exception

Q29. What is the syntax for opening a file in Python?

f = open("file.txt", "r")

- a. f = open("file.txt", read) b. f = open("file.txt") c. f = open("file.txt", "w") d. f = open("file.txt", "rw")

Q30. What is the output of the following code?

`x = [1, 2, 3] for i in x: print(i)`

a. 1 2 3

b. 3 2 1

c. 3 1 2

d. 1 3 2

modules / modulo

Q31. The `__` operator returns the remainder of a division.

Q32. The `init` method is called as soon as an object of a class is instantiated. T

Q33. A ^{string} `__` is a sequence of characters.

Q34. The Python ^{style} `__` Guide provides guidelines for coding style in Python.

Q35. What is a function in Python?

A function in python is a block of reusable code that performs a specific task.

Q36. What is a lambda function in Python?

A lambda function in python is an anonymous function, which is a small one line function without a name.

Q37. What is a decorator in Python?

A decorator in python is a way to modify or extend the behaviour of a function or class without having to directly modify the source code.

Q38. What is a generator in Python?

A generator in python is a special type of function that can be used to generate an iterator.

Q39. What are dunder methods in Python?

Dunder methods, also known as "magic methods" or "special methods", are methods with double underscores (e.g. `__init__`) in python that have special behaviour.