Syntax Questions

Q1. What does the print() function do in Python?

a) Takes user input

b) Outputs data to the console

c) Defines a variable

d) Performs arithmetic operations

Q2. Which symbol is used for comments in Python?

a) //

b) #

c) —

d) /\* \*/

Q3. What is the correct way to declare a variable in Python?

a) variable name = value

b) name = value

c) set name = value

d) declare name = value

Q4. What does the len() function do in Python?

a) Returns the length of a string

b) Converts a string to uppercase

c) Checks if a value is equal to another value

d) Removes whitespace from a string

Q6. What is the correct syntax for defining a function in Python?

a) def my\_function():

b) function my\_function():

c) define my\_function():

Q7. Which keyword is used for conditional statements in Python?

a) while

b) for

c) if

d) switch

Q8. What is the correct way to start a for loop in Python?

a) for i in range(10):

b) for i = 0; i < 10; i++:

c) foreach i in range(10):

d) loop i in range(10):

Q9. How do you define a list in Python?

a) [1, 2, 3]

b) {1, 2, 3}

c) (1, 2, 3)

d) “1, 2, 3”

What is the output of the following code snippet?

x = 5

y = 2

print(x \*\* y)

a) 10

b) 25

c) 7

d) 52

Q14. What is the output of the following code snippet?

x = 10

**if** x > 5:

print("x is greater than 5")

**else**:

print("x is less than or equal to 5")

a) x is greater than 5

b) x is less than or equal to 5

c) x

d) 10

Q16. What is the output of the following code snippet?

x = "hello"

print(x.capitalize())

a) hello

b) Hello

c) HELLO

d) HEllo

Q17. What is the correct syntax for a while loop in Python?

a) while condition:

b) while (condition)

c) while (condition):

d) while condition

Q18. Which keyword is used to exit from a loop in Python?

a) break

b) stop

c) exit

d) end

Q25. What is the correct syntax to open a file in Python for reading?

a) open(“file.txt”, “r”)

b) open(“file.txt”, “w”)

c) open(“file.txt”, “read”)

d) open(“file.txt”, “write”)

Q30. Which of the following is a correct way to write a single-line if statement in Python?

a) if x == 5: print(“x is 5”)

b) if x == 5 then print(“x is 5”)

c) if x == 5 {print(“x is 5”)}

d) if x == 5; print(“x is 5”)

Q31. What is the correct syntax to import a module named ‘example\_module’ in Python?

a) include example\_module

b) import example\_module

c) require example\_module

d) use example\_module

Q32. What does the ‘pass’ keyword signify in Python?

a) It is used to halt the execution of a loop.

b) Developers use it to indicate the end of a function.

c) It executes a block of code only if a condition is true.

d) When executed, it performs a null operation, meaning it does nothing.

Q34. What is the correct way to convert a string to lowercase in Python?

a) str.lowercase()

b) str.lower()

c) str.to\_lower()

d) str.casefold()