# 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

Q5. What is the correct syntax for defining a function in Python?

a) def my_function():

b) function my_function():

c) define my_function():

Q6. Which keyword is used for conditional statements in Python?

a) while

b) for

c) if

d) switch

Q7. 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):

Q8. How do you define a list in Python?

a) [1, 2, 3]

b) {1, 2, 3}

c) (1, 2, 3)

d) "1, 2, 3"

Q09.What is the output of the following code snippet?

x = 5

y = 2

print(x ** y)

a) 10

b) 25

c) 7

d) 52

Q10. 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

Q11. What is the output of the following code snippet?

x = "hello"

print(x.capitalize())

a) hello

b) Hello

c) HELLO

d) HEllo

Q12. What is the correct syntax for a while loop in Python?

a) while condition:

b) while (condition)

c) while (condition):

d) while condition

Q13. Which keyword is used to exit from a loop in Python?

a) break

b) stop

c) exit

d) end

Q1 4. 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")

Q15. 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")

Q16. 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

Q17. 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.

Q18. 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()

Q19. In which language is Python written?

a.      English

b.      PHP

c.      C

d.      All of the above

Q20. Which one of the following is the correct extension of the Python file?

a.      .py

b.      .python

c.      .p

d.      None of these

Q21. Which of the following declarations is incorrect?

a.      _x = 2

b.      __x = 3

c.      __xyz__ = 5

d.      None of these

Q22. Which of the following operators is the correct option for power(ab)?

a.      a ^ b

b.      a**b

c.      a ^ ^ b

d.      a ^ * b

Q23. Study the following function:

round(4.576)

What will be the output of this function?

a.    4

b.    5

c.    576

d.    5


Q24.  Which of the following is correctly evaluated for this function?

   1. pow(x,y,z)

a.    (x**y) / z

b.    (x / y) * z

c.    (x**y) % z

d.    (x / y) / z


Q25. Study the following program:

   1.  x = 1

   2.  while True:

   3.     if x % 5 = = 0:

   4.         break

   5.     print(x)

   6.     x + = 1

What will be the output of this code?

a.    error

b.    2 1

c.    0 3 1

d.    None of these

Q26. Study the following function:

1. import math

2. abs(math.sqrt(36))

What will be the output of this code?

a.     Error

b.     -6

c.     6

d.     6.0

Q27. Study the following program:

1. class Std_Name:

2.    def __init__(self, Std_firstName, Std_Phn, Std_lastName):

3.     self.Std_firstName = Std_firstName

4.     self. Std_PhnStd_Phn = Std_Phn

5.     self. Std_lastNameStd_lastName = Std_lastName

6.

7. Std_firstName = "Wick"

8. name = Std_Name(Std_firstName, 'F', "Bob")

9. Std_firstName = "Ann"

10. name.lastName = "Nick"

11. print(name.Std_firstName, name.Std_lastName)

What will be the output of this statement?

a.     Ann Bob

b.     Ann Nick

c.     Wick Bob

d.     Wick Nick

Q28. tudy the following program:

1. i = 1:

2. while True:

3.     if i%3 == 0:

4.         break

5.     print(i)

Which of the following is the correct output of this program?

a.     1 2 3

b.     3 2 1

c.     1 2

d.     Invalid syntax


Q29. Study the following program:

1. a = 1

2. while True:

3.     if a % 7 = = 0:

4.         break

5.     print(a)

6.     a += 1

Which of the following is correct output of this program?

a.     1 2 3 4 5

b.     1 2 3 4 5 6

c.     1 2 3 4 5 6 7

d.     Invalid syntax