

# Python String Manipulation and Character Encoding

Computer Science · Answer Key · 41 Questions

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**1. Which function returns the number of characters in a string 'ch'?**

- A) Pos(ch1, ch2)
- B) Convch(x)
- C) Valeur (ch)
- D) Long(ch)**

**2. What does the Pos(ch1, ch2) function return if ch1 is not found in ch2?**

- A) The position of ch1
- B) 0
- C) -1**
- D) An error message

**3. The Convch(x) function converts what type of input to what type of output?**

- A) String to integer
- B) Integer to string**
- C) Float to string
- D) String to float

**4. Which function checks if a string 'ch' can be converted to a numeric value?**

- A) Estnum(ch)**
- B) Sous\_chaine(ch, d, f)
- C) Effacer(ch, d, f)
- D) Majus(ch)

**5. What does the Sous\_chaine(ch, d, f) function return?**

- A) The string 'ch' with characters from d to f removed
- B) A part of the string 'ch' from position d up to position f**
- C) The entire string 'ch'
- D) The length of the string 'ch'

**6. The Effacer(ch, d, f) function removes characters from position d to position f, inclusive.**

- A) True**
- B) False

**7. Which function converts a string to uppercase?**

- A) Majus(ch)**
- B) len(ch)
- C) ch2.find(ch1)
- D) str(X)

**8. In Python, what is the equivalent of the algorithmic function Long(ch)?**

- A) len(ch)**
- B) ch.length()
- C) ch.size()
- D) ch.count()

**9. How do you find the first position of ch1 within ch2 in Python?**

- A) ch2.find(ch1)**
- B) ch1.find(ch2)
- C) ch2.index(ch1)
- D) ch1.index(ch2)

**10. The int() function in Python converts a value to what data type?**

- A) String
- B) Float
- C) Integer**
- D) Boolean

**11. The float() function in Python converts a value to what data type?**

- A) String
- B) Float**
- C) Integer
- D) Boolean

**12. What does the isdecimal() method of a string return?**

- A) True if the string contains only decimal characters, False otherwise**
- B) True if the string contains only alphabetic characters, False otherwise
- C) True if the string contains only alphanumeric characters, False otherwise
- D) The decimal representation of the string

**13. What is the result of Sous\_chaîne("bonjour", 3, 6) in algorithmic terms?**

- A) bon
- B) jour
- C) ouj
- D) our**

14. What is the result of `Effacer("bonjour", 3, 7)` in algorithmic terms?

A) bon

B) jour

C) ouj

D) our

15. What is the result of `Majus("Ecole-PRIM2")`?

A) ECOLE-PRIM2

B) ecole-prim2

C) Ecole-Prim2

D) EcoLe-PriM2

16. A string with zero characters is called a:

A) Empty string

B) Null string

C) Void string

D) Character array

17. What is the output of `print("1a2B?".upper())`?

A) 1A2B?

B) 1a2b?

C) 1A2B

D) 1a2B

18. What is the output of `print(chr(65))`?

A) A

B) a

C) 65

D) (A)

19. What is the output of `print(chr(97))`?

A) A

B) a

C) 97

D) (a)

20. What is the output of `print(ord("A"))`?

A) 65

B) 97

C) A

D) (65)

21. What is the output of `print(ord("a"))`?

- A) 65
- B) 97**
- C) a
- D) (97)

22. What is the result of `"a" + "b"` in Python?

- A) ab**
- B) a b
- C) a
- D) b

23. What is the result of `"a" * 3` in Python?

- A) aaa**
- B) a a a
- C) a
- D) 3a

24. Which operator checks for membership in Python?

- A) in**
- B) +
- C) \*
- D) <

25. What is the output of `print(len("Hello world"))`?

- A) 11**
- B) 10
- C) 12
- D) Hello world

26. What is the output of `ch="m&m's".upper()` followed by `print(ch)`?

- A) M&M'S**
- B) m&m's
- C) M&MS
- D) m&ms

27. What is the result of `ch1.isdecimal()` if `ch1="56.23"`?

- A) True
- B) False**
- C) Error
- D) None

28. What is the result of `ch2.isdecimal()` if `ch2="5623"`?

**A) True**

B) False

C) Error

D) None

29. What is the output of `N=int("256")`?

**A) 256 (integer)**

B) 256.0 (float)

C) "256" (string)

D) Error

30. What is the output of `X=float("256")`?

A) 256 (integer)

**B) 256.0 (float)**

C) "256" (string)

D) Error

31. What is the result of `ch[0:3]` if `ch="Welcome"`?

**A) Wel**

B) Wec

C) lco

D) ome

32. What is the result of `ch[:2]` if `ch="Welcome"`?

**A) We**

B) Wel

C) W

D) e

33. What is the result of `ch[3:]` if `ch="Welcome"`?

A) Wel

B) Wec

C) lco

**D) ome**

34. What is the result of `ch[3:len(ch)]` if `ch="Welcome"`?

A) Wel

B) Wec

C) lco

**D) ome**

35. What is the result of `ch[3:4]` if `ch="Welcome"`?

- A) l
- B) W
- C) e
- D) c

36. In Python, strings are immutable.

- A) True
- B) False

37. Which function returns the ASCII code of a character 'c'?

- A) `Chr(n)`
- B) **`Ord(c)`**
- C) `Asc(c)`
- D) `Code(c)`

38. Which function returns the character whose ASCII code is 'n'?

- A) **`Chr(n)`**
- B) `Ord(c)`
- C) `Asc(n)`
- D) `Char(n)`

39. What is the difference in ASCII codes between uppercase and lowercase letters in English?

- A) **32**
- B) 1
- C) 26
- D) Depends on the letter

40. What is the output of `print("Scolaire".find("s"))`?

- A) **-1**
- B) 0
- C) 1
- D) 2

41. What is the output of `print("45, 17".isdecimal())`?

- A) True
- B) **False**
- C) Error
- D) None