

# Python String Manipulation and Character Encoding

Computer Science · Practice Test · 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