File: COSC112/TestJava/mmTestSolutions/StringsSol.txt

1. In order to find the length of a string s:

A. s.size

B. s.length()

C. size(s)

D. len(s)

2. Convert a word w into upper case letters:

A. w.toUpper()

B. w.toUpperCase()

C. toUpper(w)

D. w.toUpper

3. Convert a word w into lower case letters:

A. w.toLowerCase()

B. w.toLower()

C. toLower(w)

D. w.toLow

4. This function checks if a string s is empty:

A. s.isNull()

B. empty(s)

C. s.isEmpty

D. s.isEmpty()

5. Which statement converts the string s="10" to the integer value 10?

A. s.parseInt()

B. (int)s

C. Integer.parseInt(s)

D. parseInt(s)

6. A string in Java:

A. is immutable

B. its value can be changed at any time

C. change any character inside

D. flexible data structure

7. This function concatenates the contents of one string s1 with another string s2.

A. concat(s1,s2)

B. s1.concat(s2)

C. s1.append(s2)

D. s1.concatenate(s2)

8. What value is stored in int n = Integer.parseInt("1000");

A. error

B. 1000

C. "1000"

D. "thousand"

9. Check if two strings s1 and s2 are equal:

A. s1.equals(s2)

B. s1 == s2

C. s1.equal(s2)

D. s1 is s2

10. Given two strings s1 = "mom" and s2 = "mon" what is the result of: s1.compareTo(s2)

A. 0

B. 1

C. -1

D. -2

11. Given two strings s1 = "abc" and s2 = "abc" what is the result of: s1.compare(s2)

A. 0

B. 1

C. -1

D. -2

12. Given a binary number as a String s (ex: "1001") convert it to its decimal representation:

A. Integer.parseInt(s,2)

B. s.Integer.parseInt(s,2)

C. parseInt(s,2)

D. s.toDecimal(2)

13. Given a decimal number as int n convert it to its binary representation:

A. Integer.toBinaryString(n);

B. toBinaryString(n);

C. parseInt(n,2)

D. convert(n,2)

14. Find the first char of a String s?

A. s.charAt(1)

B. s.charAt(0)

C. String.char(s,0)

D. String.charAt(0)

15. Find the last char of a String s?

A. s.charAt(s.length())

B. s.charAt(s.length()-1)

C. String.s.charAt(n)

D. s.charAt(s.length)

16. Find if s2 is a substring of a String s1?

A. s1.indexOf(s2) >= 0

B. s2.indexOf(s1) > 0

C. s1.indexOf(s2) == 0

D. s1.indexOf(s2) is true

17. If s2 = "ring" and s1 ="Turing" what returns s1.indexOf(s2)?

A. 0

B. 2

C. 1

D. true

18. If s2 = "g" and s1 ="Turing" what returns s1.indexOf(s2)?

A. 1

B. 5

C. 4

D. true

19. If s2 = 'm' and s1 ="Turing" what returns s1.indexOf(s2)?

A. -1

B. 5

C. 4

D. true

20. If s2 = "Turing" and s1 ="Turing" what returns s1.indexOf(s2)?

A. 1

B. 5

C. 6

D. 0

21. What does Integer.toBinaryString(256) return?

A. 100000000

B. 10000

C. 11111

D. 11111111

22. What does Integer.toHexString(256) return?

A. 1000

B. 100

C. 1111

D. 1110

23. What does Integer.parseInt("1111",2) return?

A. 16

B. 15

C. 8

D. 31

24. What does Integer.parseInt("FFFF",16) return?

A. 64000

B. 65535

C. 66666

D. 32000

25. If s = "Turing" what does s.substring(0,1) return?

A. "T"

B. 'T'

C. g

D. "Tu"

26. Capitalize a string s (only first letter is upper case):

A. s.substring(0,1).toUpperCase() + s.substring(1).toLowerCase()

B. s.substring(1).toUpperCase() + s.substring(1).toLowerCase()

C. s.charAt(0) + s.substring(1).toLowerCase()

D. s.substring(0,1).toUpperCase() + s.substring(1).toLower()