File: OBCOSC112/TestJava/TestSolutions/charTODO.txt

1. To test whether a character x is a numeric digit character, use:

A) isnumber(x);

B) x.notAlpha

C) x.Character.isnumeric

D) Character.isDigit(x)

ANSWER:

2. To test whether a character x is a letter, use:

A) isletter(x)

B) Character.isLetter(x);

C) x.Character.isLetter(ch);

D) Character.isletter(x)

ANSWER:

3. This function returns true if its argument ch is a lowercase letter.

A) x.lowerCase;

B) Character.isLowerCase(ch);

C) Character.islowercase(ch);

D) Character.LowerCase(ch);

ANSWER:

4. The logical expression: ( ! Character.isDigit(x ) ) will evaluate to true if x is:

A) an alphabetic character

B) 0 1.. 9

C) any symbol (such as $ or &)

D) both a and c

ANSWER:

5. "Whitespace" encompasses which of the following?

A) tab

B) newline

C) space

D) All of these

ANSWER:

6. Check if a character is a blank, which of the following?

A) Character.blank(ch);

B) Character.isTab(ch);

C) Character.isBlank(ch);

D) Character.isWhitespace(ch);

ANSWER:

7. To change a character ch from upper to lower case, use:

A) lowerCase(ch)

B) Character.lowerCase(ch);

C) Character.LowerCase(ch);

D) Character.toLowerCase(ch);

ANSWER:

8. What will result after: char var1=Character.toLowerCase('A');

A) var1 storing the character value 'A'

B) var1 storing lower case 'a'

C) A is output to the monitor

D) a is output to the monitor

ANSWER:

9. ASCII stands for:

A) American Standard Counication Information Interchange

B) American Standard Control Information Interchange

C) American Standard Code International Interchange

D) American Standard Code Information Interchange

ANSWER:

10. If the ASCII code of A is 65, what is the ASCII code for Z?

A) 90

B) 91

C) 80

D) 92

ANSWER:

11. If the ASCII code of a is 97, what is the ASCII code for z?

A) 122

B) 121

C) 123

D) 120

ANSWER:

12. Print the English alphabet in lower case: abc...xyz

A) for (char x=6; x <='z'; x++) System.out.print(x);

B) for (char x='a'; x <='z'; x++) System.out.print(x);

C) for (int x=65; x <91 ; x++) System.out.print(x);

D) for (int x='a'; x <= 'z'; x++) System.out.print(x);

ANSWER:

13. Print the English alphabet in upper case: ABC..XYZ

A) for (char x=6; x <='Z'; x++) System.out.print( x);

B) for (char x='A'; x <='Z'; x++) System.out.print( x);

C) for (int x=97; x < 91 ; x++) System.out.print( x);

D) for (int x='A'; x <='Z'; x++) System.out.print( x);

ANSWER:

14. Print the ASCII code of a char x:

A) System.out.print(int(x));

B) System.out.print((int)x);

C) System.out.print( x.int());

D) System.out.print( x.int);

ANSWER:

15. Produce a random lower case letter:

A) (char)( (Math.random() \* 26) + 'a');

B) (int)Math.random() \* 26);

C)(char)(Math.random() \* 10) % 26 + 'a');

D) (char)( (int)(Math.random() % 26) + 'a');

ANSWER:

16. Produce a random upper case letter:

A) int ch = (char)( (int) Math.random() \* 26 + 'A');

B) char ch = (char)( (int) Math.random() \* 26));

C) char ch = (char)( (int) (Math.random() \* 26) + 'A');

D) char ch = (char)(Math.random() \* 100) % 26 + 'A';

ANSWER:

17. Compare 2 characters ch1 and ch2:

A) if (ch1 == ch2) ..;

B) if (c1.equal(c2)) ..;

C) if (ch1 = ch2) ..;

D) if (equal(ch1,ch2)) ..;

ANSWER:

18. if (! Character.isDigit(var) ).. will evaluate to true if var is:

A) only a letter

B) a digit (0 .. 9)

C) only mathematical symbol such as $ or &

D) any symbol that is not a digit

ANSWER:

19. To determine whether a character ch entered is a letter of the alphabet, use:

A) Character.isLetter(ch)

B) isLetter(ch)

C) Character.notDigit(ch)

D) Character.letter(ch)

ANSWER:

20. What is displayed ?

System.out.print(Character.toLowerCase(Character.toUpperCase('Z')));

A) upper case Z

B) lower case z

C) a lower case z followed by an upper case Z

D) a compiler error

ANSWER:

21. Display uppercase letters till first Z:

A) do { d = ((int)(Math.random() \* 26) + 'Z');

System.out.print(d);} while (d == 'Z');

B) do { d = (char)((int)(Math.random() \* 26) + 'A');

System.out.print(d);} while (d != 'Z');

C) do { d = (char)((int)(Math.random() \* 26) + 'Z');

System.out.print(d);} while (d = 'Z');

D) do { d = (char)((Math.random() \* 26) + 'A');

System.out.print(d);} while ('Z');

ANSWER:

22. Display uppercase letters till first Z or z:

A) do { d = ((int)(Math.random() \* 26) + 'Z');

System.out.print(d);} while (d == 'Z');

B) do { d = (char)((int)(Math.random() \* 26) + 'A');

System.out.print(d);} while(!(d == 'Z' || d == 'z'));

C) do { d = (char)((int)(Math.random() \* 26) + 'Z');

System.out.print(d);} while (d = 'Z');

D) do { d = (char)((Math.random() \* 26) + 'A');

System.out.print(d);} while ('Z');

ANSWER: