

## Chapter 0 Review

### Multiple Choice

*Identify the choice that best completes the statement or answers the question.*

\_\_\_\_\_ 1. **What is the output by the code below?**

```
System.out.print( "apl\tus" );
```

- a. apl\tus
- b. apl        us
- c. aplus
- d. apl\us
- e. apltus

\_\_\_\_\_ 2. **In Java, every program statement ends with a what ?**

- a. {
- b. }
- c. ;
- d. \
- e. (

\_\_\_\_\_ 3. **Which of the following is a valid identifier in Java?**

- a. 123java
- b. main
- c. java1234
- d. {abce
- e. )whoot

\_\_\_\_\_ 4. **What is the output by the code below?**

```
System.out.println( 3 + " " + 3 );
```

- a. 6
- b. 3 3
- c. 6 6
- d. 3" "3
- e. 3

\_\_\_\_\_ 5. Which of the following lines correctly defines a String variable?

- a. String s = cdef;
- b. s = "cdef";
- c. String s = "cdef";
- d. String = "cdef";
- e. String;

\_\_\_\_\_ 6. Which of the following lines correctly defines a char variable?

- a. char c = 'a';
- b. char = a;
- c. char = 'a';
- d. char c = a;
- e. char 'a';

\_\_\_\_\_ 7. Which of the following types uses the least memory?

- a. int
- b. double
- c. float
- d. char
- e. long

\_\_\_\_\_ 8. Never put a semicolon before an open what?

- a. store
- b. car door
- c. window
- d. brace
- e. chicken

\_\_\_\_\_ 9. Which of the following is the newline character?

- a. \t
- b. \r
- c. \n
- d. \nl
- e. \b

\_\_\_\_\_ 10. What is the output by the code below?

```
double y = 9.0;
int x = y;
System.out.println(x);
```

- a. 9
- b. 9.0
- c. 0
- d. There is no output due to a syntax error.
- e. There is no output due to a runtime error.

\_\_\_\_\_ 11. What is the output by the code below?

```
char c = 65;
System.out.println(c);
```

- a. 65
- b. A
- c. 0
- d. a
- e. c

\_\_\_\_\_ 12. What is the output by the code below?

```
double num = 3.5;
System.out.println("Number: " + num);
```

- a. 3.5
- b. Number: 3.5
- c. Number:
- d. There is no output due to a syntax error.
- e. There is no output due to a runtime error.

\_\_\_\_\_ 13. What is output by the following code?

```
System.out.println(3+4+""+5*3);
```

- a. 36
- b. 757575
- c. 715
- d. 12
- e. there is no output due to a compile error

\_\_\_\_ 14. What is output by the following code?

```
System.out.println(3+4+""+5+5);
```

- a. 345
- b. 340
- c. 710
- d. 755
- e. there is no output due to a compile error

\_\_\_\_ 15. What is output by the following code?

```
System.out.println(""+3+4+5);
```

- a. 345
- b. 39
- c. 75
- d. 12
- e. there is no output due to a compile error

\_\_\_\_ 16. Given the following statement, var must be defined as which of the following types?

```
var=keyboard.nextInt();
```

- a. short
- b. byte
- c. int
- d. char
- e. String

\_\_\_\_ 17. Given the following statement, var must be defined as which of the following types?

```
var = keyboard.nextDouble();
```

- a. short
- b. double
- c. int
- d. long
- e. String

\_\_\_\_ 18. Which of the following Scanner methods can be used to read in the value 120 ?

- a. nextByte()
- b. nextShort()
- c. nextInt()
- d. nextDouble()
- e. all of these

\_\_\_\_ 19. Which of the following Scanner methods can be used to read in the value 65535 ?

- a. nextShort()
- b. nextInt()
- c. nextByte()
- d. A and B only
- e. all of these

\_\_\_\_ 20. Which of the following Scanner methods can be used to read in the value 195.245 ?

- a. nextDouble()
- b. nextLong()
- c. nextByte()
- d. nextInt()
- e. A and B only

\_\_\_\_ 21. How is nextLine() different from other scanner methods?

- a. It will never throw an exception
- b. It is the only method that will pick up all whitespace characters
- c. It is the only one to return a string
- d. A and B only
- e. A, B, and C

\_\_\_\_ 22. What is output by the following code given the input 11 15 25 30

```
Scanner kb = new Scanner( System.in );  
kb.nextInt();  
System.out.println( kb.nextInt() );
```

- a. 11
- b. 15
- c. 25
- d. 30
- e. 26

\_\_\_\_ 23. What is output by the following code given the input 3 -5 7 2 -6 9

```
Scanner kb = new Scanner( System.in );  
int ans = kb.nextInt();  
ans = ans + kb.nextInt();  
ans = ans + kb.nextInt();  
System.out.println( ans );
```

- a. 11
- b. 9
- c. 5
- d. 10
- e. 3

\_\_\_\_ 24. What is output by the following code given the input 3 -5 7 2 -6 9

```
Scanner kb = new Scanner( System.in );  
int ans = kb.nextInt();  
ans = ans + kb.nextInt();  
ans = ans + kb.nextInt();  
ans = ans + kb.nextInt();  
ans = ans + kb.nextInt();  
System.out.println( ans );
```

- a. 0
- b. 7
- c. 5
- d. 1
- e. 3

\_\_\_\_ 25. What is output by the following code given the input 11 15.0 25 30.3

```
Scanner kb = new Scanner( System.in );  
kb.nextInt();  
kb.nextDouble();  
System.out.println( kb.nextInt() );  
System.out.println( kb.nextInt() );
```

- a. 11
- b. 15
- c. 25 30
- d. 25 30.3
- e. There is no output due to a runtime error.