Chapter 0 Test

Multiple Choice
Identify the choice that best completes the statement or answers the question.

____ 1. **Which of the following lines correctly defines an integer variable?**

```
a.   integer = 234;
b.   int i = 234;
c.   int i = 234
d.   i = 234;
e.   integer i = 23;
```

____ 2. **What is output by the following code?**

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

```
a.   342
b.   345-3
c.   3
d.   72
```
e. There is no output due to a compile error.

____ 3. **What is the output by the code below?**

```
System.out.println("Hello ");
System.out.print("people ");
System.out.println("everywhere ");
```

```
a.   Hello people
     everywhere
b.   Hello
     people
     everywhere
c.   Hellopeopleeverywhere
d.   Hello people everywhere
e.   Hello
     people everywhere
```

____ 4. **Which of the following Scanner methods can be used to read in the value** `65535` **?**

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

_____ 5. **What is the output by the code below?**

```
int num = 5;
System.out.println("num");
```

a. num 5
b. num: 5
c. 5
d. num
e. num = 5

_____ 6. **What is output by the following code?**

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

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

_____ 7. **What is output by the following code?**

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

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

_____ 8. **Which of the following Scanner methods can be used to read in the value** `get it` **?**

a. nextLine()
b. A and B only
c. nextByte()
d. next()
e. nextInt()

____ 9. **What is the output by the code below?**

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

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

____ 10. **Never put a semicolon before an open what?**

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

____ 11. **What is output by the following code?**

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

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

____ 12. **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. 3
b. 10
c. 9
d. 11
e. 5

_____ 13. **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.   There is no output due to a runtime error.
    b.   `25 30`
    c.   `25 30.3`
    d.   `15`
    e.   `11`

_____ 14. **In Java, every program statement ends with a what ?**

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

_____ 15. **How is nextLine() different from other scanner methods?**

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

_____ 16. **Which of the following lines correctly defines a String variable?**

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

____ 17. **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();
System.out.println( ans );
```

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

____ 18. **Given the following statement, var must be defined as which of the following types?**

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

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

____ 19. **Which of the following is a valid identifier in Java?**

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

____ 20. **What is output by the following code?**

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

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

____ 21. **Which of the following types uses the least memory?**

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

____ 22. **Given the following statement, var must be defined as which of the following types?**

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

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

____ 23. **What is the output by the code below?**

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

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

____ 24. **Which of the following is the newline character?**

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

____ 25. **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. `26`
    b. `11`
    c. `15`
    d. `30`
    e. `25`

____ 26. **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() + kb.nextInt());
```

    a. 25
    b. 11
    c. 40
    d. 30
    e. 15

____ 27. **Which of the following Scanner methods can be used to read in the value** 195.245 **?**

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

____ 28. **Which of the following Scanner methods can be used to read in the value** 120 **?**

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

____ 29. **What is the output by the code below?**

```
String s = "aplus";
System.out.println( s );
```

    a. aplus
    b. s
    c. aplu
    d. plus
    e. sulpa

____ 30. **Which of the following lines correctly defines a char variable?**

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

_____ 31. **What is the output by the code below?**

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

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

_____ 32. **What is the output by the code below?**

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

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

_____ 33. **What is the output by the code below?**

```
String s = "Hello";
System.out.println("\String s");
```

a. Hello
b. There is no output due to a syntax error.
c. String s
d. String Hello
e. There is no output due to a runtime error.

_____ 34. **What is the output by the code below?**

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

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

____ 35. **Given the following statement, var must be defined as which of the following types?**

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

    a. `float`
    b. `String`
    c. `char`
    d. `boolean`
    e. `byte`

____ 36. **What is the output by the code below?**

```
int x = 9;
double y = x;
System.out.println(y);
```

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

____ 37. **What is output by the following code given the input** `11 15 25 30`

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

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

____ 38. **What is the output by the code below?**

```
System.out.println( 3 + 6 );
```

    a. `9`
    b. `0`
    c. `6`
    d. `3`
    e. `-3`

_____ 39. **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.   1
   b.   5
   c.   0
   d.   3
   e.   7

_____ 40. **What is the output by the code below?**

```
int cost = 2.65;
System.out.println("Price: " + cost);
```

   a.   Price: 2.65
   b.   2.65
   c.   Price:
   d.   There is no output due to a syntax error.
   e.   There is no output due to a runtime error.