**Quiz 1 – Review Questions**

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

System.out.print("ab\\\\ab" );

|  |  |
| --- | --- |
| a. | ab\ab |
| b. | ab |
| c. | ab\\ab |
| d. | bab |
| e. | abb |

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

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

\_\_\_\_ 3. **What is the output by the code below?**

System.out.println( 3 + "\t" + 3 );

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

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

System.out.println( 3 + 3 );

|  |  |
| --- | --- |
| a. | 6 |
| b. | 9 |
| c. | 3 |
| d. | 0 |
| e. | 33 |

\_\_\_\_ 5. **What is the output by the code below?**

System.out.println( "\"99" );

|  |  |
| --- | --- |
| a. | 99 |
| b. | "99 |
| c. | \"9 |
| d. | \ |
| e. | 99" |

\_\_\_\_ 6. **What is the output by the code below?**

System.out.println("Hello ");

System.out.print("people ");

|  |  |
| --- | --- |
| a. | Hello  Hello |
| b. | Hello people |
| c. | Hello |
| d. | Hellopeople |
| e. | Hello  people |

\_\_\_\_ 7. **What is output by the following code?**

System.out.println(7 + "" + 5);

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

\_\_\_\_ 8. **Which of the following lines correctly defines an integer variable?**

|  |  |
| --- | --- |
| a. | int i = 45 |
| b. | i = 45; |
| c. | integer = 45; |
| d. | int i = 45; |
| e. | integer i = 45; |

\_\_\_\_ 9. **What is the output by the code below?**

int x = 4;

double y = x;

System.out.println(y);

|  |  |
| --- | --- |
| a. | 4 |
| b. | 4.0 |
| c. | 0 |
| d. | ERROR |

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

double y = 4.0;

int x = y;

System.out.println(x);

|  |  |
| --- | --- |
| a. | 4 |
| b. | 4.0 |
| c. | 0 |
| d. | ERROR |

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

int cost = 3.8;

System.out.println("Price: " + cost);

|  |  |
| --- | --- |
| a. | 3.8 |
| b. | Price: 3.8 |
| c. | Price: |
| d. | ERROR |

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

double num = 7.5;

System.out.println("Number: " + num);

|  |  |
| --- | --- |
| a. | 7.5 |
| b. | Number: 7.5 |
| c. | Number: |
| d. | ERROR |

\_\_\_\_ 13. **What is output by the code below?**

int x = 25;

x = x % 5;

System.out.print(x);

|  |  |
| --- | --- |
| a. | 0 |
| b. | 1 |
| c. | 2 |
| d. | 3 |
| e. | 5 |

\_\_\_\_ 14. **What is output by the code below?**

System.out.print(7 % 3);

|  |  |
| --- | --- |
| a. | .5 |
| b. | 1 |
| c. | 2 |
| d. | 0 |
| e. | 3 |

\_\_\_\_ 15. **What is output by the code below?**

System.out.println( 5 / 0);

|  |  |
| --- | --- |
| a. | 0 |
| b. | 5 |
| c. | 0.5 |
| d. | 6 |
| e. | ERROR |

\_\_\_\_ 16. **What is output by the code below?**

System.out.print(15.7 % 5);

|  |  |
| --- | --- |
| a. | .7 |
| b. | .3 |
| c. | 3 |
| d. | 0 |
| e. | 12 |

\_\_\_\_ 17. **What is output by the code below?**

double x = 5 / 3;

System.out.print(x);

|  |  |
| --- | --- |
| a. | 0 |
| b. | 1 |
| c. | 1.66 |
| d. | 1.0 |
| e. | 2 |

\_\_\_\_ 18. **What is output by the code below?**

System.out.print( (double) (4 / 2) );

|  |  |
| --- | --- |
| a. | 1 |
| b. | 1.0 |
| c. | 2.0 |
| d. | 0 |
| e. | 2 |

\_\_\_\_ 19. **What is output by the code below?**

System.out.print( (double)3 / 6 );

|  |  |
| --- | --- |
| a. | 0.5 |
| b. | 1 |
| c. | 2 |
| d. | 0 |
| e. | 3 |

\_\_\_\_ 20. **What is output by the code below?**

int x = 5, y = 6;

int z = x + y;

double a = z;

System.out.print(a);

|  |  |
| --- | --- |
| a. | 5 |
| b. | 6 |
| c. | 11 |
| d. | 11.0 |
| e. | 17.0 |

\_\_\_\_ 21. **What is output by the code below?**

System.out.print( 9 / 11 );

|  |  |
| --- | --- |
| a. | .8 |
| b. | 1 |
| c. | 2 |
| d. | 0 |
| e. | 3 |

\_\_\_\_ 22. **What is output by the code below?**

System.out.print( (double)(10 / 4) );

|  |  |
| --- | --- |
| a. | 0 |
| b. | 0.0 |
| c. | 2.0 |
| d. | 2.5 |

23. Convert the decimal number 110 into

1. An 8 bit binary number
2. A 4 bit hexadecimal number (base 16)

24. Convert the binary number 0110 11112 into decimal.

25. What is the decimal equivalent of the number 14B16 ?

**MULTIPLE CHOICE ANSWERS**

1. C

2. C

3. B

4. A

5. B

6. E

7. C

8. D

9. B

10. D

11. D

12. B

13. A

14. B

15. E

16. A

17. D

18. C

19. A

20. D

21. D

22. C

23. a) 0110 11102

b) 006E16

24. (1)128 + (1)64 + (0)32 + (0)16 + (1)8 + (1)4 + (1)2 + (1) = 20710

25. (1)256 + (4)16 + (B)1 = 33110

Remember, A = 1010, B = 1110…