Quiz 1 – Chapters 1-7 and Notes

# Multiple Choice:

1. B
2. D
3. B
4. C
5. A
6. C
7. C
8. D
9. C
10. D
11. A
12. B
13. A
14. A
15. B
16. B
17. C
18. D
19. B
20. B

# Short Answer:

1. The statement is:

double cat = (4 / (A / B)) \* Math.pow((1 + (5 / (C - D))) / A, .5) - A / (C +D);

1. The statement is:

x = x – (z + y – t);

1. The if else statements are below.

**int** x = 0;

**if** (y > 0) {

**if** (y > 5) {

x = 3;

} **else** {

x = 4;

}

} **else** {

**if** (y < -5) {

x = 3;

} **else** {

x = 4;

}

}

1. The loop to generate the multiples of three from 3 to 300 is below.

**for** (**int** i = 1; i <= 100; i++)

System.***out***.println(3\*i);

1. .

**public** **static** **boolean** interesting(**boolean** value) {

**return** value;

}

# Problem 26.

//BottlesOfBeer.java

**public** **class** BottlesOfBeer {

**public** **static** **void** main(String[] arg) {

**int** MAX\_BOTTLES = 99;

**int** bottles = MAX\_BOTTLES;

**while** (bottles > 0) {

**if** (bottles == 1) {

System.***out***.println("1 bottle of beer on the wall.");

System.***out***.println("1 bottle of beer.");

} **else** {

System.***out***.println(bottles + " bottles of beer on the wall.");

System.***out***.println(bottles + " bottles of beer.");

}

bottles--;

System.***out***.println("You take one down, pass it around.");

**switch** (bottles) {

**case** 0:

System.***out***.println("No more bottles of beer on the wall.");

System.***out***.println("Go to the store and buy some more, "

+ "99 bottles of beer on the wall.");

**break**;

**case** 1:

System.***out***.println("Only one bottle of beer on the wall.");

**break**;

**default**:

System.***out***.println(bottles +" bottles of beer on the wall");

}

System.***out***.println();

}

}

}