**Quiz # 3**

**Question # 1:** What are the possible combinations in which you can use the try, catch and finally blocks? Write all three possible combinations.

**Question # 2:** What is the purpose of using the **throws** statement? Where can it be used? Demonstrate one usage by writing code for it.

**Question # 3:** What would be the output of the following pieces of code?

1. **Code:**
   1. class exception\_handling
   2. {
   3. public static void main(String args[])
   4. {
   5. try
   6. {
   7. int i, sum;
   8. sum = 10;
   9. for (i = -1; i < 3 ;++i)
   10. sum = (sum / i);
   11. }
   12. catch(ArithmeticException e)
   13. {
   14. System.out.print("0");
   15. }
   16. System.out.print(sum);
   17. }
   18. }

**Your Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_**

1. **Code:**
2. public class JavaHungry {
3. public static void main(String args[])
4. {
5. try
6. {
7. System.out.print("A");
8. throw new Exception();
9. }
10. catch (Exception e)
11. {
12. try
13. {
14. try
15. {
16. throw new Exception();
17. }
18. catch (Exception ex)
19. {
20. System.out.print("B");
21. }
22. throw new Exception();
23. }
24. catch (Exception exc)
25. {
26. System.out.print("C");
27. }
28. finally
29. {
30. System.out.print("D");
31. }
32. }
33. finally
34. {
35. System.out.print("E");
36. }
37. System.out.print("F");
38. }
39. }

**Your Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_**