

Q1. Write a program in Java to do the following:

- i) Define a class Triangle having three private instance variables: side1, side2 and side3; all having appropriate data types.
- ii) Define a default constructor and a parameterized constructor.
- iii) Define a custom exception class InvalidTriangleException having a toString() method that prints appropriate exception details. The exception object is thrown when sum of any two sides of the triangle is less than the measure of the third side.
- iv) Define a class Demo having main() method with appropriate code to show working of the above classes.

Ans.