James Stephenson

**Introduction**

The program consists of the following three classes:

1. **NumberWrapper** is a wrapper class for a single integer value. Besides satisfying the requirement of two classes in the program, it encapsulates the logic that determines if the integer value is an even or odd number (the result of a modulus operation).
2. **ArrayWrapper** is another wrapper class for a single array of NumberWrapper objects. It initialises and populates the array in the constructor and encapsulates how:
   1. The array is populated with NumberWrapper objects containing random numbers.
   2. The array is traversed to display odd, even or all the numbers.
3. **Main** runs the program by creating an instance of the ArrayWrapper class and calling the *printAllNumbers*, *printEvenNumbers* and *printOddNumbers* methods.