

## What does this program do?

```
/**
 * Simple program to illustrate how a do-while loops works.
 * Also shows odd-even test.
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 */
public class SimpleDoWhileLoop
{
    public static void main( String args[] )
    {
        int x = 1;
        double maxLimit = Math.pow( 10, 1 );
        System.out.println("maxLimit = " + maxLimit);
        int sum = 0;
        int count = 0;
        double average = 0;
        do
        {
            if( (x%2 == 1) && (x%3 == 0) )
            {
                sum += x;
                count++;
            }
            x++;
        }while( x <= maxLimit );
        average = (double)sum/count;
        System.out.println( "count = " + count );
        System.out.println( "The sum is " + sum +
            " and the average is " + average );
    }
}
```