```java
/**
 * Class TestUtility test class NumberUtility.
 *
 * @author (your name)
 * @version (a version number or a date)
 */
import java.util.Scanner;
public class TestUtility
{
    public static void main(String[] args)
    {
        Scanner scan = new Scanner(System.in);


        System.out.println("Enter a nonzero integer or 0 to quit: ");
        int input = scan.nextInt();

        while(input !=0)
        {
            NumberUtility obj = new NumberUtility(input);

            obj.report();
            System.out.println("Enter a nonzero integer or 0 to quit: ");

            input = scan.nextInt();
        }
    }
}
```