

```

1  /**
2   * Class NumberUtility takes input from the user and
3   * test the input for four conditions.
4   *
5   * @author (your name)
6   * @version (a version number or a date)
7   */
8  public class NumberUtility
9  {
10     public int n;
11     public NumberUtility(int n)
12     {
13         this.n = n;
14     }
15
16     public int getN()
17     {
18         return n;
19     }
20
21     public boolean isOdd()
22     {
23         return (n%2==1);
24     }
25
26     public boolean isEven()
27     {
28         if(isOdd())
29             return false;
30         else
31             return true;
32     }
33
34     public int countNum(int num)
35     {
36         int m;
37         int c;
38         int count = 0;
39         m=n;
40         while(m>0)
41         {
42             c = m % 10;
43
44             if(c==num)
45                 {count++;}
46             m = m / 10;
47         }
48
49         return count;
50     }
51
52     public int countOdd()
53     {
54         int m;
55         int c;
56         int count = 0;
57         m=n;
58
59         while(m>0)
60         {c = m % 2;
61             if(c==1)
62                 {count++;}
63             m = m / 10;
64         }
65
66         return count;
67     }
68
69     public void report()

```

```
70     {
71         System.out.println("The number entered is odd: " + isOdd());
72         System.out.println("The number entered is even: " + isEven());
73         System.out.println("The number of digits equal to six is: " + countNum(6));
74         System.out.println("The number of odd digits equal to: " + countOdd());
75         System.out.println();
76     }
77 }
```