```java
1   import java.util.Scanner;
2
3   public class flipNum {
4       // flips 2 digits, 3 digits and 4 digits number
5       public static void main(String[] args) {
6           int d1, d10, num, newNum;
7           Scanner input = new Scanner(System.in);
8
9           // flips a 2 digit number
10          System.out.print("enter 2 digits number ->");
11          num = input.nextInt();
12          d1 = num % 10;
13          d10 = num / 10;
14          newNum = d1 * 10 + d10;
15          System.out.println("the original number is: "+ num);
16          System.out.println("the reversed number is: "+ newNum);
17
18          System.out.println("\n------------------\n");
19
20          // flips 3 digit number
21          int d100, temp;
22          System.out.print("enter 3 digit number ->");
23          num = input.nextInt();
24          d1 = num % 10;
25          temp = num /10;
26          d10 = temp % 10;
27          d100 = temp / 10;
28          newNum = d1 * 100 + d10 * 10 + d100;
29          System.out.println("the original number is: "+ num);
30          System.out.println("the reversed number is: "+ newNum);
31
32          System.out.println("\n------------------\n");
33
34          //flips 4 digit number
35          int d1000;
36          System.out.print("enter 4 digit number ->");
37          num = input.nextInt();
38          d1 = num % 10;
39          temp = num /10;
40          d10 = temp % 10;
41          temp = temp /10;
42          d100 = temp % 10;
43          d1000 = temp / 10;
44          newNum = (d1 * 1000) + (d10 *100) + (d100 * 10) + d1000;
45          System.out.println("the original number is: "+ num);
46          System.out.println("the reversed number is: "+ newNum);
47      }
48  }
49
```

```
50  /*
51  enter 2 digits number ->23
52  the original number is: 23
53  the reversed number is: 32
54
55  -------------------
56
57  enter 3 digit number ->234
58  the original number is: 234
59  the reversed number is: 432
60
61  -------------------
62
63  enter 4 digit number ->2345
64  the original number is: 2345
65  the reversed number is: 5432
66  * */
```