

```
1 // Ch 6 Demo reversing digits in a number
2
3 import java.io.BufferedReader ;
4 import java.io.InputStreamReader ;
5 import java.io.IOException ;
6
7 public class Ch6DemoReversingDigits
8 {
9     public static void main (String [] args) throws IOException
10    {
11        BufferedReader console = new BufferedReader (new
12            InputStreamReader (System.in));
13        System.out.print ("Please enter a large integer: " );
14        String input = console.readLine ();
15
16        int num = Integer.parseInt (input);
17        int newNum = 0;
18        int rem = 0;
19
20        while (num != 0)
21        {
22            rem = num % 10;
23            newNum = newNum * 10 + rem;
24            num /= 10;
25        }
26
27        System.out.println ("\nThe reversed number is: " + newNum);
28    }
29 }
```