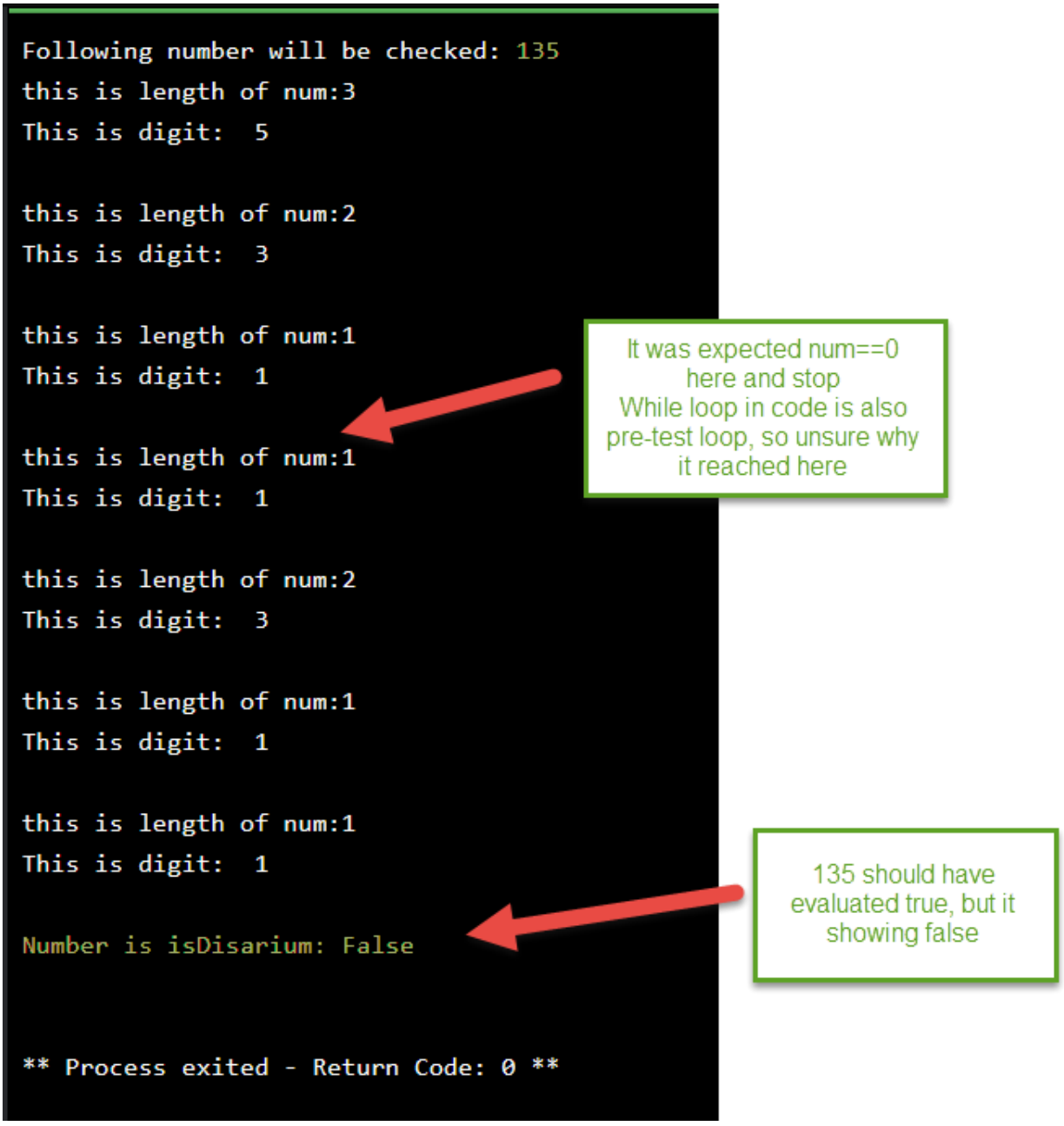
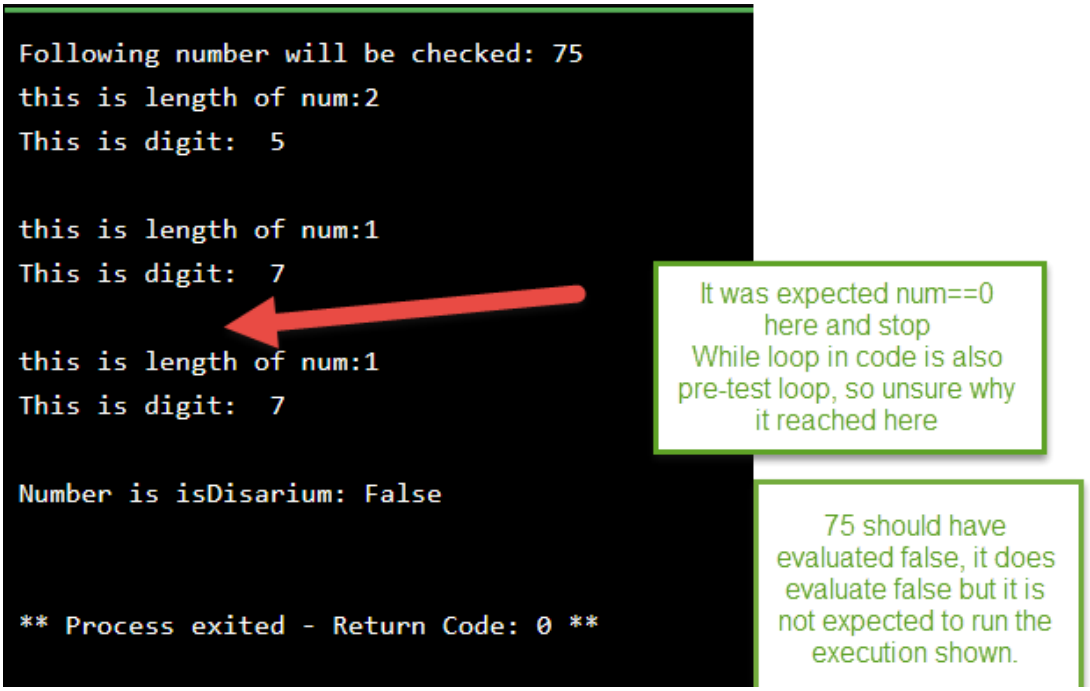
********** OUTPUT **********

135 should have evaluated true




```
while (num!=0)
{

pos=Integer.toString(num);  // this converts the number to a string
System.out.println("this is length of num:" + pos.length());
position = Integer.valueOf(pos.length());
```



*** CODE **

```
import java.lang.Math.*;

public class Main
{
   static int Total=0;

   public static int isDisarium(int num)
   {

      int digit;

      int numberDigits=0;
      String pos="";
      int position;

      while (num!=0)
      {

      pos=Integer.toString(num);  // this converts the number to a string
      System.out.println("this is length of num:" + pos.length());
```

```
        position = Integer.valueOf(pos.length());

        digit = num%10;
        System.out.println("This is digit:  " + digit + "\n");

       // System.out.println(numberDigits); // this is no good since it loses track of this variable

        num=num/10;  // this will drop off last digit

        Total = (int)Math.pow(digit,position) + isDisarium(num);


        }

        return Total;
    }



    public static void main(String[] args) {

        int num=75;

        System.out.println("Following number will be checked: " + num);

        String outcome = isDisarium(num)==num ? "True":"False";

        System.out.println("Number is isDisarium: " + outcome);

            }
}
```