## 135 should have evaluated true

```
Following number will be checked: 135
this is length of num:3
This is digit: 5
this is length of num:2
This is digit: 3
this is length of num:1
                                            It was expected num==0
This is digit: 1
                                                here and stop
                                           While loop in code is also
                                           pre-test loop, so unsure why
this is length of num:1
                                                it reached here
This is digit: 1
this is length of num:2
This is digit: 3
this is length of num:1
This is digit: 1
this is length of num:1
This is digit: 1
                                                          135 should have
                                                        evaluated true, but it
                                                           showing false
Number is isDisarium: False
** Process exited - Return Code: 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());
```

while (num!=0)

```
Following number will be checked: 75
this is length of num:2
This is digit: 5
this is length of num:1
This is digit:
                                                 It was expected num==0
                                                     here and stop
this is length of num:1
                                                While loop in code is also
                                               pre-test loop, so unsure why
This is digit: 7
                                                     it reached here
Number is isDisarium: False
                                                          75 should have
                                                      evaluated false, it does
                                                       evaluate false but it is
                                                      not expected to run the
** Process exited - Return Code: 0 **
                                                         execution shown.
```

## \*\*\* CODE \*\*

```
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);
    }
```

}