

### A Very Special Mystery Number

I have to find a 10 digit number which uses each of the digits 0-9 and has ALL the following properties:

The first digit from the left(the billions digit) is divisible by 1. The number formed by the first 2 digits from the left is divisible by 2.The number formed by the first 3 digits from the left is divisible by 3...

and so on until you get to the complete 10 digit number which must be divisible by 10.

What is this magical number?

I am not interested in the answer, in fact, I don't care if your didn't even arrive at an answer. I want the story. Tell me what happened, from beginning to end, the narration of how you solved it. Write your struggles, your failures, your helpers, and your successes. Share your "Aha!" moments and the process of arriving at your answer, even if you share the website that you tried to find the answer.