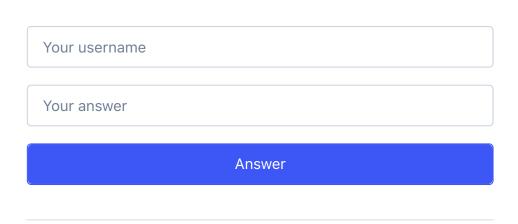
Code War #6



Given a very big positive number, we need to find what could be the largest number by swapping the digits within.

To swap, you must follow these rules:

- You can only swap an even digit for an even digit, similarly to the odd digits.
- You cannot swap an even digit for an odd digit, and vice versa.

For example:

Given a number 5678, you will find the largest possible result is 7856. The swap steps are described as below:

- First, swap the 5 with the 7 because 7 is larger than 5. Result: 7658
- Similarly, swap the 6 with the 8, the result is: 7856.
- At this stage, you should notice that 7856 is the largest possible number, so returning it as the result.

NOTE: You can swap as many times as you want (unlimited).

Now: With the number

213729029381721892738912793172821182312737981273817928273810, can you find the largest possible number after swapping?