Code War #6

Your username

Your answer

Answer

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?