[LeetCode](https://leetcode.com/problems/maximum-odd-binary-number/description/?envType=daily-question&envId=2024-03-01)

<https://github.com/AdityaKonda6/-50DaysOfCoding>

<https://leetcode.com/problems/maximum-odd-binary-number/description/?envType=daily-question&envId=2024-03-01>

<https://www.linkedin.com/in/aditya-adi-konda/>

 Day 11 of [#50dayscodingchallenge](https://www.linkedin.com/feed/hashtag/?keywords=50dayscodingchallenge&highlightedUpdateUrns=urn:li:activity:7166316239483461633):  
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Just kicked off my coding journey with a fascinating problem - "Successfully solved LeetCode Problem “2864. Maximum Odd Binary Number” !”  
   
✨ Task: You are given a binary string s that contains at least one '1'. You have to rearrange the bits in such a way that the resulting binary number is the maximum odd binary number that can be created from this combination.

Return a string representing the maximum odd binary number that can be created from the given combination.

Note that the resulting string can have leading zeros.

Examples:

Example 1:

Input: s = "010"

Output: "001"

Explanation: Because there is just one '1', it must be in the last position. So the answer is "001".

Example 2:

Input: s = "0101"

Output: "1001"

Explanation: One of the '1's must be in the last position. The maximum number that can be made with the remaining digits is "100". So the answer is "1001".

Let's Connect:

If you find this problem intriguing or have insights to share, let's connect! I'm passionate about problem-solving, algorithmic thinking, and collaborative learning. Feel free to comment or reach out for engaging discussions and knowledge exchange.Unravel the mystery using your coding skills!

[#CodingChallenge](https://www.linkedin.com/feed/hashtag/?keywords=codingchallenge&highlightedUpdateUrns=urn:li:activity:7166316239483461633) [#Algorithm](https://www.linkedin.com/feed/hashtag/?keywords=algorithm&highlightedUpdateUrns=urn:li:activity:7166316239483461633) [#LinkedInPost](https://www.linkedin.com/feed/hashtag/?keywords=linkedinpost&highlightedUpdateUrns=urn:li:activity:7166316239483461633) #Algorithm #Optimization #DataStructures #CodingChallenge  
  
Excited about the progress and challenges ahead!  
   
Make Sure You Follow My GitHub For Solutions: <https://github.com/AdityaKonda6/-50DaysOfCoding>  
  
  
Happy coding!

**Solution:-**

class Solution {

  public String maximumOddBinaryNumber(String s) {

    final int zeros = (int) s.chars().filter(c -> c == '0').count();

    final int ones = s.length() - zeros;

    return "1".repeat(ones - 1) + "0".repeat(zeros) + "1";

  }

}

