5. Longest Palindromic Substring

Medium

Given a string s, return the longest

Palindromic substring in s.

Example 1:

Input: s = "babad"

Output: "bab"

Explanation: "aba" is also a valid answer.

Example 2:

Input: s = "cbbd"

Output: "bb"

Constraints:

1 <= s.length <= 1000

s consist of only digits and English letters.

class Solution:

    def longestPalindrome(self, s: str) -> str:

        res = ""

        reslen = 0

        #odd length

        for i in range(len(s)):

            l,r=i,i

            while l>=0 and r < len(s) and s[l]==s[r]:

                if (r-l+1) > reslen:

                    res=s[l:r+1]

                    reslen=r-l+1

                l-=1

                r+=1

            #even length

            l,r=i,i+1

            while l>=0 and r < len(s) and s[l]==s[r]:

                if (r-l+1) > reslen:

                    res=s[l:r+1]

                    reslen=r-l+1

                l-=1

                r+=1

        return res