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Practice problems aimed to improve your coding skills.

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- PRACTICE-02\_SCAN-PRINT
- PRACTICE-03\_TYPES
- LAB-PRAC-02\_SCAN-PRINT
- LAB-PRAC-01
- PRACTICE-04 COND
- **BONUS-PRAC-02**
- **LAB-PRAC-03\_TYPES**
- PRACTICE-05 COND-LOOPS
- LAB-PRAC-04 COND
- LAB-PRAC-05\_CONDLOOPS
- PRACTICE-07\_LOOPS-ARR
- LAB-PRAC-06\_LOOPS
- LAB-PRAC-07\_LOOPS-ARR
- LABEXAM-PRAC-01 MIDSEM
- PRACTICE-09 PTR-MAT
- LAB-PRAC-08 ARR-STR
- PRACTICE-10 MAT-FUN
- LAB-PRAC-09\_PTR-MAT
- LAB-PRAC-10\_MAT-FUN
- PRACTICE-11 FUN-PTR
- LAB-PRAC-11\_FUN-PTR
  - 2 Name the Clones
  - The Race of the Clones
  - Partial Palindrome
  - Growth Curve
  - 2 The Family Tree of Mr C
  - 2 Timely Tasks
  - Plenty of Palindromes
  - 2 Count and Say Sequence
  - Orbiting Indices
  - 2 Zig-zag Numbers
  - Parent Palindrome
  - 2 Leaderboard
- LAB-PRAC-12\_FUN-STRUC
- **►** LABEXAM-PRAC-02\_ENDSEM
- LAB-PRAC-13\_STRUC-NUM
- LAB-PRAC-14\_SORT-MISC

## Partial Palindrome

LAB-PRAC-11 FUN-PTR

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Partial Palindrome [20 marks]	
Problem Statement In the first line of the input, we we contain lower-case English alph minimum number of characters palindrome and in the second line.	vill give you a string with at most 99 characters. The string will only abet letters. In the first line of the output, you have to print the that must be appended (i.e. put at the end of the string) to make it a ne of the output, you have to print the resultant palindrome. If the ndrome, print 0 in the first line and the string itself in the second line
Caution	
write a modular code with 2. Be careful about extra/mis	to use recursion to solve this problem. However, you may want to functions to make your solution easier to read and easier to debug. ssing lines and extra/missing spaces in your output.
EXAMPLE 1: INPUT abede	
OUTPUT: 2 abedeba	
palindrome since the string abed	not a palindrome. Appending a single character can never make it a de* is never a palindrome no matter what character we use in place characters, namely b and a, then the string becomes a palindrome.
EXAMPLE 2: INPUT mom	
OLITPLIT:	

OUTPUT:

mom

**Explanation**: the string is itself a palindrome.

## **Grading Scheme:**

Total marks: [20 Points]

There will be partial grading in this question. There are two lines in your output. Printing each line correctly, in the correct order, carries 50% weightage. Each visible test case is worth 2 points and each hidden test case is worth 4 points. There are 2 visible and 4 hidden test cases.

Please remember, however, that when you press Submit/Evaluate, you will get a green bar only if all

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parts of your answer are correct. Thus, if your answer is only partly correct, Prutor will say that you have not passed that test case completely, but when we do autograding afterwards, you will get partial marks.

**¥**¶ Start Solving! (/editor/practice/6217)