

COSC 2436 Lab: Recursive Palindrome

1. Instructions

Create a C++ program to check if the string given is a palindrome using recursion. Output true if the string is a palindrome, otherwise output false. You MUST use recursion in your implementation.

2. Input Files

- A word or phrase will be given on a single line in the input file
- Beware of punctuation and letter case
- Beware of empty lines or files
- Remove all `\n` and `\r` before processing any input lines.

Note: There's a chance not all warnings are given, if you can think of an edge case, cover it in your code

3. Output Files

- Output true if the string is a palindrome; otherwise output false.

4. Example

input1.txt Mr. Owl ate my metal worm	output1.txt true
input2.txt hello	output2.txt false
input3.txt Kayak	output3.txt true

5. Submission

- Turn in your lab assignment to our Linux server with your login credentials
- Process of Testing and Submitting
 1. In your root folder, make a folder for the assignment (lowercase with no spaces!) (Examples: lab1, hw1, ga1)
 2. Copy your program files (no spaces!) into the folder
 3. Copy your ans/input/command.txt, ArgumentManager.h, and test.sh files into the folder (NO output.txt files)
 4. In your terminal, go to your assignment folder by running **cd foldername** and run the following commands:
 - a. `chmod u+x test.sh`
 - b. `sh test.sh`
 5. Verify all cases pass and then DELETE all .txt files
 6. In your terminal, go to your root folder by running **cd** and then run the following command:
 - a. `chmod -R 755 assignment#/` (ex: `chmod -R 755 lab1/`)
 7. Log out and close

Please reach out to the TAs via email or teams for any clarifications or typos.