

COM1002 LAB Q1

Question:

Write a C program that performs the following task:

Task:

Given a string consisting of lowercase English letters (a–z), check whether the string is a palindrome or not. A **palindrome** is a word that reads the same backward as forward

Requirements:

1. Implement a function named `isPalindrome()` that takes a string as input and returns 1 if the string is a palindrome, or 0 if it is not.
2. In the `main()` function, read a string of **maximum 200 characters** from the user.
3. Only use the standard headers: `stdio.h` and `string.h`.
4. You may assume the input will contain only lowercase letters (no need to validate it).

Example input-output:

Enter a string (maximum 200 characters): racecar

The string is a palindrome.

Enter a string (maximum 200 characters): hello

The string is not a palindrome.