

Lab Experiment #7

December 26, 2023

Objective

Become familiar with string manipulation in assembly language and use DOS interrupts for input and output.

Lab Task

Write an assembly program that checks if a given string is a palindrome. The program should take user input for the string using DOS interrupts and display the result using DOS interrupts.

Example Output

```
Enter a string: radar  
This is a palindrome!
```

```
Enter a string: hello  
This is not a palindrome!
```

Hints

- Use DOS function 0Ah for input and function 09h for output.
- Implement a palindrome-checking algorithm by comparing characters from both ends of the string.

Evaluation

You will be evaluated based on the correctness of your program and the logic used for palindrome checking.