

EE103: Introduction to Programming

Laboratory-7

Problem 1 (100 pts)

1. A palindrome is a word, phrase, or sentence reads the same backward or forward—such as Madam. Write a single program :

1. Take a string from user.
2. Separate the string character by character in **main**.
3. Calculate the length of string using **recursive function**.
4. Determine that the string is palindromic (or not) using **function**.

The output is given below :

```
Enter a word
repaper
r e p a p e r
The length of the given string is: 7
The entered word is a palindrome
```