

```

/*
 * hw5.c
 *
 * Created on: Oct 10, 2014
 * Author: Scot Matson
 * Course: cs49c
 * Section: 1
 * Assn: 5
 * Desc: Excluding all non-alphabetic characters, function
 * will return 0 if a given text is a palindrome or a -1 if
 * it is not.
 */
#include <string.h>
#include <stdio.h>
#include <ctype.h>

int notPalindrome(char * x) {
    const int LEN = strlen(x);
    const int HALF_LEN = LEN / 2;
    int isPalindrome = 0; //Equivocates to true
    int i = 0;
    int j = LEN - 1;

    while(i <= HALF_LEN + 1) {
        if (!isalpha(x[i])) { //Filtering non-alpha
            characters
            ++i;
            continue;
        }
        if (!isalpha(x[j])) { //Filtering non-alpha
            characters
            --j;
            continue;
        }

        if (toupper(x[i]) != toupper(x[j])) { //Comparing characters
            isPalindrome = j; //The ride-sided mismatch index
            break;
        }
    }
}

```

```
        }  
        ++i;  
        --j;  
    }  
    return isPalindrome;  
}
```