Exercises — Palindrome

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1 Palindrome

Files to submit:

- palindrome/palindrome.c

Provided files:

- palindrome/palindrome.h

Authorized headers: You are only allowed to use the functions defined in the following headers:

- errno.h

- stddef.h

- err.h

- assert.h

1.1 Goal

You have to implement the following function:

```c
int palindrome(const char *s);
```

This function returns `1` if the string argument is a **palindrome**, `0` otherwise. Only alphanumerical characters are to be tested to determine if the string is a palindrome. Other characters are ignored.

Tested strings will not contain accented characters and verification is case sensitive.

A character string is a **palindrome** if and only if it can be read one way or the other without any differences. An empty string is a palindrome, but not a non-existing one.

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