READ ME

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Program Description-
The program takes an argument which is a string, and separates it by whitespace into tokens.
My implementation reads the string character by character, and stops once it finds an escape
character. It will then print the correct token, and the malformed token, and continue until it has
looked through the entire tokenizer object. The tokens are labeled depending on if they are a
decimal, hex, float, octal, or malformed. The program starts in main, then a tokenizer object is
created and passed to TKGetNextToken which then passes the first character in the string
through various functions to determine the state of the tokens.

What I learned-
Through this project I learned functions and syntax in C, how to malloc, how to use pointers,
and how to use and access the information in strings without a string type.

Difficulties-
I definitely had trouble finding all of the different possible errors my code could have particularly
with the addition of e for floats. Trying to find some of the syntax was also confusing, took me
some time to create a pointer to a character array that was only a part of the tokenizer object.