N = 0x4e

Jump if not equal

If it is equal, zero flag is set

Z = 0x5a

Jump if not equal

If it is not equal, zero flag is not set

Single quote, double quote

## NOTE 1:

To elaborate on the difference between single quotes for char literals and double quotes for string literal s,

For char literal, C11, chapter §6.4.4.4

An integer character constant is a sequence of one or more multibyte characters enclosed in single-quotes, as in 'x'

and, for string literal, chapter §6.4.5

Acharacter string literal is a sequence of zero or more multibyte characters enclosed in double-quotes, as in "xyz".



There is difference between 'a' (a character) and "a" (a string having two characters a and \0). ch=="a" comparison will be evaluated to false because in this expression "a" will converted to pointer to its first element and of course that address is not a character but a hexadecimal number.



Change it to



if(ch=='a')