

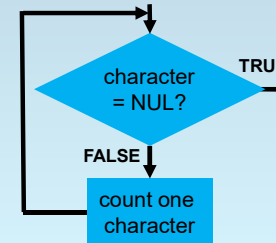
Ready to Count Letters?

Now we are finally ready to count letters!

Before We Can Count, We Must Load a Character

The first step?

- Load a character from the string, and
- check if it's **NUL**.



Load a Character from the String

```
COUNTLOOP
LDR R2,R1,#0
```

Load a character
from the string.

Remember that R1
points to the next
character in the string.

Also remember that
we want the
character in R2.

If We Find a NUL, We are Done

```
COUNTLOOP
LDR R2,R1,#0
BRz DONE
```

Check for
NUL (x00).