Exercise.	count the # of w	ords in a
	String. For Simplice counce words will be se paces or tabs ('It	ity lots
ω(isune words will be se	perallel la,
5	paces or tabs ('It	'\. /
	following rictores	
spice/tab	letter	lettar
		ATTAL TOTAL
1 Just	7	not Lea
space/*		Her wisi)
	space / tab	
/tera indoci	this is called a	finite state
		machine")
4 . 1 - 2 -	ren in C/CH??	
		1
	one uniable to hold	
State (local	rion of the marker)	
Datatype?	Bool (shee we have	e only 2 states)
	or more senerally, in	<i>t</i> . <i>t</i> .
Los try	h sketch it out:	
sizet u	word count (const string	& 5)
9		
tn, 2	state; // 0 = just 1 = just e = 0; // as if the the start	ust read space Aab
	$// 1 \equiv jus$	t read a letter.
Stat	e = 0, 1 as if the	of 5.

```
5:2e t count = 0; // hold # of words .
  1 look at every character in 5, follow
 I the State diagram, and count # of
I times we coos the green arrow.
for (see t i = 0; i < s.(eryth(); i+1) {
      if (state == 0) { // just rand space
         if (sc:]!= ' 66 sc:]!= '(t') {

Count ++;
          } state = 1;
   ) else {//just read a letter
        if (SC:] == ' | (SC:] == '++') {
           // blue arrow.
           shte = 0;
 return count;
```

Horder exercise: remove comments from a C/CHA Rogram.

