ASSIGNMENT #3

This assignment is meant as an exercise in programming with arrays and strings. Write a Java program that prompts the user to enter strings of alphabetic characters until a string consisting solely of the <u>sentinel</u> character $ is entered, at which time the program terminates. Following each string entered, the program displays its <u>Morse code</u> equivalent, leaving a blank space (b̸) between characters and two blank spaces (b̸b̸) between words. For example, if the user enters the string `Hello World`, the program displays `....b̸.b̸.—..b̸.—..b̸———b̸b̸.——b̸———b̸.—.b̸.—..b̸—..`

<u>Morse Code</u>

A	.—		N	—.
B	—...		O	———
C	—.—.		P	.——.
D	—..		Q	——.—
E	.		R	.—.
F	..—.		S	...
G	——.		T	—
H	....		U	..—
I	..		V	...—
J	.———		W	.——
K	—.—		X	—..—
L	.—..		Y	—.——
M	——		Z	——..

Test your program on the following:

```
Hello World
SOS
a rose is a rose is a rose
(the empty string)
little Miss Muffet sat on a tuffet
$
```

while (!$) { __
}