ACADGILD ASSIGNMENT 5.1

1) How many vowels are there in the names of USA States?

ANSWER :

```
library(stringr)
> #lets count all the vowels
> # vector of vowels
> vowels = c("a","e","i","o","u")
> #this starts five counters at the same time
> num_vowels=vector(mode = "integer",length = 5)
> for (j in seq_along(vowels)){
+    num_aux=str_count(tolower(states),pattern = vowels[j])
+    num_vowels[j]=sum(num_aux)
+ }
> #add vowel names
> names(num_vowels)=vowels
> #total number of vowels
> num_vowels
 a  e  i  o  u
61 28 44 36 8
```

2) Visualize the vowels distribution.

ANSWER: vowels <- c("a","e","i","o","u")