ASSIGNMENT 4.2

Problem Statement 1:

Write a Python program using function concept that maps list of words into a list of integers representing the lengths of the corresponding words.
Hint: If a list [ab,cde,erty] is passed on to the python function output should come as [2,3,4]
Here 2,3 and 4 are the lengths of the words in the list.
CODE:

```
In [54]: def maplength(s1):
             s=s1.split(' ')
             k=len(s)
             d=[]
             print("LIST:",s)
             for i in range (0,k):
                 l=len(s[i])
                 d.append(l)
             print("LENGTH:",d)

         k1=input("enter the list:")
         maplength(k1)
```

OUTPUT:

```
enter the list:fifa beckham david rooney ronaldo messi
LIST: ['fifa', 'beckham', 'david', 'rooney', 'ronaldo', 'messi']
LENGTH: [4, 7, 5, 6, 7, 5]
```

Problem Statement 2:

Write a Python function which takes a character (i.e. a string of length 1) and returns
True if it is a vowel, False otherwise.
INPUT:

```
In [64]: def vowel(k1):
             k=k1.lower()
             if(k=='a' or k=='e' or k=='i' or k=='o' or k=='u'):
                 print("TRUE")
             else:
                 print("FALSE")

         d=input("ENTER A CHARACTER:")
         vowel(d)
```

OUTUT:

```
ENTER A CHARACTER:A
TRUE
```

```
ENTER A CHARACTER:B
FALSE
```