Lab Evaluation Task on Recursion

2:00 pm

Write a Recursive function that takes a string and an index as parameters and prints all the vowels and their index in the given string in the same order as they appear and then all the consonants and their index in the reverse order. You can assume that the string will only consist of alphabets (a-z, A-Z), i.e. no space, special character, or numeric character will be in the string.
The function will look like this.

def print_alphabets(string,index):
     # Your code here

Say your **input string** is: **"Beautiful"**
The corresponding **output**:
1:e
2:a
3:u
5:i
7:u
8:l
6:f
4:t
0:B

Ps: The function should be called this way:
print_alphabets(input_string,0)
Here 0 indicates the starting index of the string.