@Python Function that takes a list of words and return the longest word and the length of the longest one.

```
def count_word_length(my_list):
    counter = 0
    for item in my_list:
        if len(item) >= counter:
            counter = len(item)
    return counter

temp_list = ["hello","world","a","long","min"]
print("longest word count is %d" %count_word_length(temp_list))
```

```
    longest word count is 5
```

@Python function to remove the nth index character from a nonempty string.

```
s = input("Enter a string :")
n = int(input("Enter the index of the character to remove :"))
first = s[:n]
last = s[n+1 :]
new_s = first + last
print("string after removing character at the index", n, "is : ", new_s)
```

```
    Enter a string :Pytho Programming
    Enter the index of the character to remove :5
    string after removing character at the index 5 is :  PythoProgramming
```

@Python function to get the last part of a string before a specified character.

```
str1 = 'http://www.t3so.com/python'
print(str1.rsplit('/',1)[0])
```

```
    http://www.t3so.com
```

@Python function to sort a string lexixographically

```
def lexicographi_sort(s):
    return sorted(sorted(s), key = str.upper)
print(lexicographi_sort('pythonprogram'))
print(lexicographi_sort('quickbrown'))
```

```
    ['a', 'g', 'h', 'm', 'n', 'o', 'o', 'p', 'p', 'r', 'r', 't', 'y']
```

```
['b', 'c', 'i', 'k', 'n', 'o', 'q', 'r', 'u', 'w']
```

@Python function to remove spaces from a given string.

```python
str = input("Enter any Line of String")
str1 = " "
s = str.split()

for i in range(0,len(s)):
    str1 = str1=s[i]+" "
print("String With Extra space", str)
print("String without extra space", str1)
```

```
Enter any Line of StringPython Programming
String With Extra space Python Programming
String without extra space Programming
```

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