

## 1. Python function that takes a list of words and return the longest word and the length of the longest one.

```
In [24]: 1
          2 def longest(a):
          3     max1 = len(a[0])
          4     temp = a[0]
          5
          6     # for loop to traverse the list
          7     for i in a:
          8         if(len(i) > max1):
          9
          10            max1 = len(i)
          11            temp = i
          12
          13     print("The longest word is:", temp,
          14           " and length is ", max1)
```

```
In [25]: 1 a = ['one' , 'two', 'three']
```

```
In [26]: 1 longest(a)
```

The longest word is: three and length is 5

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

```
In [31]: 1 def remove_nth_index(string, n):
          2     if len(string)<2:
          3         return "contains less than 2 characters"
          4     first = string[:n]
          5     last = string[n+1:]
          6     return first + last
          7     print(remove_nth_index("hello world",3))
```

helo world

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

```
In [67]: 1 def last_str(string,char):
2         lst1 = string.split(char)
3         return lst1[-1]
4
5         print(last_str('abcde figh','d'))
6
7
```

e figh

#### 4. Python function to sort a string lexicographically.

```
In [81]: 1 def Lexo(string):
2         words = string.split()
3         words.sort()
4         for word in words:
5             print( word )
6         print(Lexo('hello how are you'))
```

are  
hello  
how  
you  
None

#### 5. Python function to remove spaces from a given string.

```
In [76]: 1 def remove_spaces(string):
2         return string.replace(' ','')
3
4
```

```
In [78]: 1 remove_spaces("python prog lang")
```

Out[78]: 'pythonproglang'

```
In [ ]: 1
```