In [ ]:
1.Python function that takes list of words and return the longest word and the length of the longest one.

In [7]:
```
def longestLength(a):
    max1=len(a[0])
    temp=a[0]
    for i in a:
        if(len(i)>max1):
            max1=len(i)
            temp=i
    print("the word with longest length is:",temp,"and length is:",max1)
```

In [8]:
```
a=["one","two","three","four"]
longestLength(a)
```
```
the word with longest length is: three and length is: 5
```

In [ ]:
2.Python function to remove the nth index character from a nonempty string.

In [4]:
```
str="python iss simple."
n=9
modified_str=""
for char in range(0,len(str)):
    if(char !=n):
        modified_str+=str[char]
print("Modified string after removing",n,"th character")
print(modified_str)
```
```
Modified string after removing 9 th character
python is simple.
```

In [ ]:
3.Python function to get the last part of a string before a special character.

In [8]:
```
a_string="docs.python.on"
partitioned_string=a_string.partition(".")
print(partitioned_string)
before_first_period=partitioned_string[0]
print(before_first_period)
```
```
('docs', '.', 'python.on')
docs
```

In [ ]:
4.Python function to sort a string lexicographically.

In [9]:
```
def sortlexo(my_string):
    words=my_string.split()
    words.sort()
    for i in words:
        print(i)
```

In [10]:

```
my_string="python is simple programming launguage"
sortlexo(my_string)
is
launguage
programming
python
simple
```

In [ ]:

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

In [18]:

```
def remove(string):
    return string.replace(" ","")
string=" p y t h o n "
print(remove(string))
python
```

In [ ]: