

1) # function to find the longest

```
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 the longest length is:", temp,
```

```
          " and length is ", max1)
```

```
a = ["one", "two", "third", "four"]
```

```
longestLength(a)
```

```
2) def removeindex(initstring,index):  
    changestring=""  
    for char in range(0,len(initstring)):  
        if(char!=index):  
            changestring+=initstring[char]  
    print('the string after modification is :')  
    print(changestring)  
initstr=input('enter the string:')  
print('the initial string is ',initstr)  
ind=int(input('enter the index at which u want to remove the character:'))  
removeindex(initstr,ind)
```

3) #lastpart before a specified characer

```
def lastpart(string,char):  
    index=string.rfind(char)  
    print(index)  
    result=""  
    print('the lastpart of a string before a specified character is :')  
    for char in range(0,index):  
        result+=string[char]  
    print(result)  
string=input('enter a string:')  
char=input('enter a character:')  
lastpart(string,char)
```

4) #lexicographical order

```
def lexico(string):
```

```
    words=string.split()
```

```
    words.sort()
```

```
    print('the string in lexicographical order is :')
```

```
    for word in words:
```

```
        print(word)
```

```
string=input('enter a string')
```

```
lexico(string)
```

5) #python function to remove spaces from a string

```
def removespaces(string):
```

```
    print('the entered string with spaces is :',string)
```

```
    result=string.replace(" ","")
```

```
    print('the string after removing the spaces is:',result)
```

```
string=input("enter a string:")
```

```
removespaces(string)
```