In [1]:
```
def longest_word(x):
    y = list(x.split())
    y.sort()
    print("longest word is : ",y[-1], "and length of longeest word is:",len(y[-1]))
longest_word("sciencesocial data science")
longest_word("welcome to data science programme")
```

```
longest word is :  sciencesocial and length of longeest word is: 13
longest word is :  welcome and length of longeest word is: 7
```

In [2]:
```
def removed_string(string, n):
    x = string[:n]
    y = string[n+1:]
    return x + y
string=input("Enter the sring:")
n=int(input("Enter the index of the character to remove:"))
print("Modified string:")
removed_string(string, n)
```

```
Enter the sring:Datascience
Enter the index of the character to remove:5
Modified string:
```

Out[2]:
```
'Datasience'
```

In [3]:
```
x = 'https://www.bing.com/search?q=sciencedirect&cvid'
print(x.rsplit('/', 1)[0])
print(x.split('=', 1)[1])
```

```
https://www.bing.com
sciencedirect&cvid
```

In [4]:
```
def lexicogrphical_order(string):
    split1 = string.split()
    split1.sort()
    return split1
print(lexicogrphical_order("mahabharth written by vyasa and ramayana by valmiki"))
```

```
['and', 'by', 'by', 'mahabharth', 'ramayana', 'valmiki', 'vyasa', 'written']
```

In [5]:
```
def remove(string):
    ns=" "
    for i in string:
        if(not i.isspace()):
            ns+=i
    return ns
print(remove("pytho data"))
```

```
 pythodata
```