In [1]:
```
# Q3) input=['hyd','bengaluru','mumbai','chennai']
#     output=['Hyd','Bengaluru','Mumbai','Chennai']
import string
input=['hyd','blr','chn','mumbai']
output=[]
for k in input:
    output.append(k.title())
output
```

Out[1]:
```
['Hyd', 'Blr', 'Chn', 'Mumbai']
```

In [5]:
```
# Q4) input=['hyd','bengaluru','mumbai','chennai']
#     output=['HYD','BENGALURU','MUMBAI','CHENNAI']
import string
input=['hyd','bengaluru','mumbai','chennai']
output=[]
for k in input:
    output.append(k.upper())
output
```

Out[5]:
```
['HYD', 'BENGALURU', 'MUMBAI', 'CHENNAI']
```

In [7]:
```
# Q5) input=['hyd','beng#aluru','mumbai','chen#nai']
#     output=['beng#aluru','chen#nai']
input=['hyd','beng#aluru','mumbai','chen#nai']
output=[]
for k in input:
    if not k.isalnum():
        output.append(k)
output
```

Out[7]:
```
['beng#aluru', 'chen#nai']
```

In [9]:
```
# Q6) input=['hyd','beng#aluru','mumbai','chen#nai']
#     output=['hyd','mumbai']
input=['hyd','beng#aluru','mumbai','chen#nai']
output=[]
for k in input:
    if k.isalnum():
        output.append(k)
output
```

Out[9]:
```
['hyd', 'mumbai']
```

In [15]:
```
# Q7) str1=
#     output=['HAI','HOW','ARE','YOU']
str1='hai how are you'
input=str1.split(' ')
output=[]
for k in input:
    output.append(k.upper())
output
```

Out[15]: ['HAI', 'HOW', 'ARE', 'YOU']

In [31]:
```
# Q8) str1='hai how are you'
#     ans='Hai How Are You'   with out Title method
str1='hai how are you'
output=''
count=0
for k in range(len(str1)):
    if k in [0,4,8,12,16]:
        output=output+str1[k].upper()
    else:
        output=output+str1[k]
output
```

Out[31]: 'Hai How Are You'

In [33]:
```
# Q9) str1='virat.kohli@rcb.com,rohit.sharma@mi.com,ms.dhoni@csk.com'
#     fname=['virat','rohit','ms']  sname=['kohli','sharma','dhoni']
#     cname=['rcb','mi','csk']
s='virat.kohli@rcb.com,rohit.sharma@mi.com,ms.dhoni@csk.com'
s=s.split(',')
fname=[]
sname=[]
cname=[]
for k in s:
    i1=k.find('.')
    firstname=k[0:i1]
    fname.append(firstname)
    i2=k.find('@')
    lastname=k[i1+1:i2]
    sname.append(lastname)
    i3=k.find('.',i1+1)
    coampny=k[i2+1:i3]
    cname.append(coampny)
print(fname,sname,cname)
```

['virat', 'rohit', 'ms'] ['kohli', 'sharma', 'dhoni'] ['rcb', 'mi', 'csk']

In [47]:
```
# Q10) Find the most reperated word in a given string
import string
s = "apple banana apple orange banana apple banana banana"

def most_repeated_word(s):
    words=s.split()
    words_count=[]
    for word in words:
        found=False
        ##add word to ans if not founf
        for k in range(len(words_count)):
            if (words_count[k][0]==word):
                words_count[k][1]+=1
                found=True;
                break;
        if not found:
            words_count.append([word,1])
```

```
    max_word, max_count = "", 0
    for word,count in words_count:
        if count > max_count:
            max_word, max_count = word, count
    return max_word, max_count
word, count = most_repeated_word(s)
print(f"The most repeated word is '{word}' with {count} occurrences.")
```

```
[['apple', 3], ['banana', 4], ['orange', 1]]
The most repeated word is 'banana' with 4 occurrences.
```

In [3]:
```
dir(' ')
```

Out[3]:
```
['__add__',
 '__class__',
 '__contains__',
 '__delattr__',
 '__dir__',
 '__doc__',
 '__eq__',
 '__format__',
 '__ge__',
 '__getattribute__',
 '__getitem__',
 '__getnewargs__',
 '__getstate__',
 '__gt__',
 '__hash__',
 '__init__',
 '__init_subclass__',
 '__iter__',
 '__le__',
 '__len__',
 '__lt__',
 '__mod__',
 '__mul__',
 '__ne__',
 '__new__',
 '__reduce__',
 '__reduce_ex__',
 '__repr__',
 '__rmod__',
 '__rmul__',
 '__setattr__',
 '__sizeof__',
 '__str__',
 '__subclasshook__',
 'capitalize',
 'casefold',
 'center',
 'count',
 'encode',
 'endswith',
 'expandtabs',
 'find',
 'format',
 'format_map',
 'index',
 'isalnum',
 'isalpha',
 'isascii',
 'isdecimal',
 'isdigit',
 'isidentifier',
 'islower',
 'isnumeric',
 'isprintable',
 'isspace',
 'istitle',
```

```
 'isupper',
 'join',
 'ljust',
 'lower',
 'lstrip',
 'maketrans',
 'partition',
 'removeprefix',
 'removesuffix',
 'replace',
 'rfind',
 'rindex',
 'rjust',
 'rpartition',
 'rsplit',
 'rstrip',
 'split',
 'splitlines',
 'startswith',
 'strip',
 'swapcase',
 'title',
 'translate',
 'upper',
 'zfill']
```

In [61]:
```
# Q11) Find the lonest word in a given string
s = "apple banana orange watermelon"
lst=s.split()
max_lenword=lst[0]
for k in lst:
    if(len(k)>len(max_lenword)):
        max_lenword=k
print(k)
```

```
watermelon
```

In [3]:
```
# Q12) l=[1,7,5,8,17,6]
#       Sort the list with out using sorted method
l=[1,7,5,8,17,6]
for k in range(len(l)-1):
    min_index=k
    for j in range(k+1,len(l)):
        if l[j]<l[min_index]:
            min_index=j
    temp=l[k]
    l[k]=l[min_index]
    l[min_index]=temp
l
```

Out[3]:
```
[1, 5, 6, 7, 8, 17]
```

In [11]:
```
#Q13) l=[1,7,5,8,17,6]
#       find the largest value and second lartgest value in a given list
l=[1,7,5,8,17,6]
flargest=l[0]
```

```
slargest=l[1]
for k in range(len(l)):
    if l[k]>flargest:
        slargest=flargest
        flargest=l[k]
    elif l[k]>slargest:
        slargest=l[k]
print(flargest,slargest)
```

```
17 8
```

In [19]:
```
# Q14) str1='can canner can not can you but you can canner can you'
#      ouput=['can:5','canner:2','not:1','you:3','but:1']

s='can canner can not can you but you can canner can you'
words=s.split()
words_count=[]
for word in words:
    found=False
    for k in range(len(words_count)):
        if (words_count[k][0]==word):
            words_count[k][1]+=1
            found=True;
            break;


    ##add word to ans if not founf
    if not found:
        words_count.append([word,1])

print(words_count)
```

```
[['can', 5], ['canner', 2], ['not', 1], ['you', 3], ['but', 1]]
```

In [29]:
```
# Q15) str1='can canner can not can you but you can canner can you'
#      stopwords=['not','but']
#      remove the stop words in a given string
#     output='can canner can can you  you can canner can you'
import string
str1='can canner can not can you but you can canner can you'
stopwords=['not','but']
words=s.split()
strans=''
for word in words:
    if not word in stopwords:
        strans=strans+' '+word
strans.lstrip()
```

Out[29]:
```
'can canner can can you you can canner can you'
```

In [37]:
```
qns_list=['who is PM of India','Who is Captain of ICT mens Crikets',
          'what is the capital of India']
ans_list=['modi','rohit','delhi']
marks=0
userenterd_list=[]
for i in range(len(qns_list)):
    userenterd_list.append(input(qns_list[i]))
```

```
    if ans_list[i]==userenterd_list[i]:
        marks+=1
print(f'Final Marks {marks}')
```

```
Final Marks 2
```

In [ ]: