1. Write a Python program to find words which are greater than given length k?

```
In [27]:   1  sen=input('enter the sentences :')
           2  lst=sen.split()
           3  k=int(input('given the length k :'))
           4  for i in lst:
           5      if (len(i)>k):
           6          print(i,end=' ')
           7
           8
```

```
enter the sentences :time and tide wait for none
given the length k :3
time tide wait none
```

2 Write a Python program for removing i-th character from a string?

```
In [30]:   1  st=input('enter the string: ')
           2  i=int(input('enter the value of i :'))
           3  lst=list(st)
           4  if i>len(lst):
           5      print('ith value not valid')
           6  for x in range(len(lst)):
           7      if x==i:
           8          continue
           9      else:
          10          print(lst[x],end='')
          11
```

```
enter the string: ram is going to school
enter the value of i :5
ram i going to school
```

3. Write a Python program to split and join a string?

```
In [37]:   1  st=input('enter the string :')
           2  lst=st.split()
           3  print(lst)
           4  new_strng=' '.join(lst)
           5  print(new_strng)
```

```
enter the string :ram is brother of shyam
['ram', 'is', 'brother', 'of', 'shyam']
ram is brother of shyam
```

4. Write a Python to check if a given string is binary string or not?

```
In [40]:   1  st=input('string enter ')
           2  binary={'0','1'}
           3  for i in st:
           4      if i not in binary:
           5          print('the string is not binary')
           6          break
           7  else:
           8      print('string is binary')
```

```
string enter 0001010233
the string is not binary
```

5. Write a Python program to find uncommon words from two Strings?

```
1  str1=input('enter string first: ')
2  str2=input('enter string second :')
3  lst1=str1.split()
4  lst2=str2.split()
5  lst3=[]
6  for i in lst1:
7      if i not in lst2:
8          lst3.append(i)
9  for i in lst2:
10     if i not in lst1:
11         lst3.append(i)
12 print('the uncommon words are : ',lst3)
```

```
enter string first: flow with time
enter string second :time is moving very fast
the uncommon words are :  ['flow', 'with', 'is', 'moving', 'very', 'fast']
```

6. Write a Python to find all duplicate characters in string?

```
1  string=input('enter the string :')
2  sat=set(string)
3  lst={}
4  for i in sat:
5      if string.count(i)>1:
6          lst[i]=string.count(i)
7  print(lst)
```

```
enter the string :do and die in the war of nation
{'e': 2, 'i': 3, 'a': 3, 'd': 3, 'o': 3, 't': 2, 'n': 4, ' ': 7}
```

7. Write a Python Program to check if a string contains any special character?

```
In [56]:    1  import re
            2
            3  def check_special_characters(str):
            4      regex = re.compile('[@_!#$%^&*()<>?/\|}{~:]')
            5      if regex.search(str) == None:
            6          print("String does not contain any special characters.")
            7      else:
            8          print("String contains special characters.")
            9
           10
           11  st=input('enter the string \n')
           12  check_special_characters(st)
           13
```

```
enter the string
hey@ loshs
String contains special characters.
```

In [ ]:   1