Assignment 11

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

```
In [3]:  mystr =  input('Enter the string : ')
         k = int(input('Enter k : '))
         largerStrings = []

         # Finding words with length greater than k
         words = mystr.split(" ")
         for word in words:
             if len(word) > k:
                 largerStrings.append(word)


         print("Words greater than", k,"are", largerStrings)
```

```
Enter the string : Hello, Here we go again
Enter k : 2
Words greater than 2 are ['Hello,', 'Here', 'again']
```

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

```
In [5]:  s = input("Enter a sentence here: ")
         print(s.replace("e"," "))
```

```
Enter a sentence here: Hello
H llo
```

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

```
In [14]:  s = input("Enter a sentence here: ")
          a = s.split(" ")
          print(a)
          print("-".join(s))
```

```
Enter a sentence here: Wikipedia is hosted by the Wikimedia Foundation, a non-profit organization th
at also hosts a range of other projects.
['Wikipedia', 'is', 'hosted', 'by', 'the', 'Wikimedia', 'Foundation,', 'a', 'non-profit', 'organizat
ion', 'that', 'also', 'hosts', 'a', 'range', 'of', 'other', 'projects.']
W-i-k-i-p-e-d-i-a- -i-s- -h-o-s-t-e-d- -b-y- -t-h-e- -W-i-k-i-m-e-d-i-a- -F-o-u-n-d-a-t-i-o-n-,- -a-
-n-o-n---p-r-o-f-i-t- -o-r-g-a-n-i-z-a-t-i-o-n- -t-h-a-t- -a-l-s-o- -h-o-s-t-s- -a- -r-a-n-g-e- -o-f
- -o-t-h-e-r- -p-r-o-j-e-c-t-s-.
```

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

```
In [20]:  binary = input("Enter any numbers btwn 0-1:")
          a = {"0","1"}
          t = set(binary)

          if a == t or t == {"0"} or t == {"1"}:
              print("This is a binary input")
          else:
              print("This ain't a binary input")
```

```
Enter any numbers btwn 0-1:010101111
This is a binary input
```

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

```
In [25]:  def Words(A, B):
              count = {}
              for word in A.split():
                  count[word] = count.get(word, 0) + 1
              for word in B.split():
                  count[word] = count.get(word, 0) + 1
              return [word for word in count if count[word] == 1]

          A = "hello good morning, how are you"
          B = "how has you day been so far?"
          print(Words(A,B))
```

```
['hello', 'good', 'morning,', 'are', 'has', 'day', 'been', 'so', 'far?']
```

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

```
In [31]:  def duplicates(s):
              elements = {}
              for char in s:
                  if elements.get(char,None) != None:
                      elements[char]+=1
                  else:
                      elements[char] = 1
              return [k for k,v in elements.items() if v>1]

          print(duplicates("Hello"))
```

```
['l']
```

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

```
In [34]:  a = input("Enter the senetence ")
          l = "[@_!#$%^&*()<>?/|}{~:]"

          if any(c in l for c in a):
              print("yes")
          else:
              print("no")
```

```
Enter the senetence Hello!, how have you been?
yes
```

```
In [ ]:
```