**Anagram**

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**Method:1**

 using sorted method

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 def anagram(w1, w2):

     if (sorted(w1) == sorted(w2)):

         return 'Yes'

     else:

         return 'No'

 ana = anagram('geeksforgeeks', 'geeksforseekg')

 print(ana)

 using Counter method

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 from collections import Counter

 def anagram(w1, w2):

     if (Counter(w1) == Counter(w2)):

         return 'Yes'

     else:

         return "No"

 ana = anagram('geeksforgeeks', 'geeksforseekg')

 print(ana)

**Method:2**

 using sum & ord methods

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def anagram(w1, w2):

     w1\_sum = sum(ord(i) for i in w1)

     w2\_sum  =sum(ord(i) for i in w2)

     if w1\_sum == w2\_sum:

         return 'True'

     else:

         return 'False'

 ana = anagram('geeksforgeeks', 'geeksforseekg')

 print(ana)

**Method:3**

taking two empty dict\_w1 & dict\_w2

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 def anagram(w1, w2):

     dict\_w1 = {}

     dict\_w2 = {}

     for i in w1:

         if i in dict\_w1:

             dict\_w1[i] += 1

         else:

             dict\_w1[i] = 1

     for j in w2:

         if j in dict\_w2:

             dict\_w2[j] += 1

         else:

             dict\_w2[j] = 1

     return dict\_w1 == dict\_w2

ana = anagram('geeksforgeeks', 'geeksforseekg')

print(ana)

**Method:4**

# count the characters of two strings & del those & compare it, if it is equal then anagram else not an anagram

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class Anagram:

    def anagram(word1, word2):

        if len(word1) != len(word2):

            return 'not an anagram'

        else:

            freq = {}

            for i in word1:

                if i in freq:

                    freq[i] += 1

                else:

                    freq[i] = 1

            for j in word2:

                if j not in freq:

                    print("not an anagram")

                    break

                freq[j] -= 1

                if freq[j] == 0:

                    del freq[j]

            if not freq:

                return 'True'

            else:

                return 'False'

def main():

    ana = Anagram.anagram('geeks', 'eekgs')

    print('Result:', ana)

if \_\_name\_\_ == '\_\_main\_\_':

    main()