*Challenge 1:* Write a program to count the number of times a character appears in a given string. Note-use a dictionary to store characters of the string

*#Program dictictionary*thestring = input(**"Enter a string: "**)  
dic = {} *#creates an empty dictionary***for** characters **in** thestring:  
 **if** characters **in** dic: *#if next character is already in the dictionary* dic[characters] += 1  
 **else**:  
 dic[characters] = 1 *#if ch appears for the first time***for** key **in** dic:  
 print(key,**':'**,dic[key])

Challenge 2: Write a function to convert a number entered by the user into its corresponding number in words. For example, if the input is 145 then the output should be ‘One Four Five.

**def** convert(num):*#numberNames is a dictionary of digits and corresponding number* numberNames = {0:**'Zero'**,1:**'One'**,2:**'Two'**,3:**'Three'**,4:**'Four'**, 5:**'Five'**,6:**'Six'**,7:**'Seven'**,8:**'Eight'**,9:**'Nine'**}  
  
 result = **''  
 for** ch **in** num:  
 key = int(ch) *#converts character to integer* value = numberNames[key]  
 result = result + **' '** + value  
 **return** result  
num = input(**"Enter any number: "**) *#number is stored as string*result = convert(num)  
print(**"The number is:"**,num)  
print(**"The numberName is:"**,result)