1

user\_input = input("String: ")

lower\_case\_input = user\_input.lower()

created\_list = list(lower\_case\_input)

print("Created list:")

print(created\_list)

2

user\_input = input("String with whitespaces: ")

user\_input = user\_input.lower()

char\_list = list(user\_input)

char\_freq = {}

for char in char\_list:

if char.isalnum():

char\_freq[char] = char\_freq.get(char, 0) + 1

char\_freq\_list = list(char\_freq.items())

print("Code Output:")

print(char\_freq\_list)

3

char\_freq\_list = [('p', 2), ('u', 1), ('l', 1), (' ', 1), ('f', 1), ('i', 2), ('c', 1), ('t', 1), ('o', 1), ('n', 1)]

list\_vow = []

list\_cons = []

list\_sym = []

for char, freq in char\_freq\_list:

if char.isalpha():

if char in 'aeiou':

list\_vow.append((char, freq))

else:

list\_cons.append((char, freq))

else:

list\_sym.append((char, freq))

print("Result:")

print("list\_vow =", list\_vow)

print("list\_cons =", list\_cons)

print("list\_sym =", list\_sym)