**Activity 3**

Consider the string “Welcome to Python world”. Perform the following operations:

1. Count the number of alphabets in the given string.
2. To extract characters in the given, range from the given string.
3. Check if the string is alphanumeric or not.

#Consider the string “Welcome to Python world”. Perform the following operations:

#a) Count the number of alphabets in the given string.

string = "Welcome to Python world"

alphabet\_count = sum(1 for char in string if char.isalpha())

print("Number of alphabets in the string:", alphabet\_count)

#b) To extract characters in the given, range from the given string.

string = "Welcome to Python world"

start\_index = 8

end\_index = 13

substring = string[start\_index:end\_index+1]

print("Extracted substring:", substring)

#c) Check if the string is alphanumeric or not.

string = "Welcome to Python world"

is\_alphanumeric = string.isalnum()

if is\_alphanumeric:

    print("The string is alphanumeric.")

else:

    print("The string is not alphanumeric.")