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

def find\_words(lst, k):

result = []

for word in lst:

if len(word) > k:

result.append(word)

return result

# Example usage

word\_list = ['apple', 'banana', 'cherry', 'durian', 'elderberry']

k = 5

words\_greater\_than\_k = find\_words(word\_list, k)

print(words\_greater\_than\_k)

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

string = input("Enter a string: ")

i = int(input("Enter the index of the character to remove: "))

# removing i-th character using slicing

new\_string = string[:i] + string[i+1:]

print("Original string:", string)

print("New string after removing the i-th character:", new\_string)

1. **Write a Python program to split and join a string?**

# Input string

string = "The quick brown fox jumps over the lazy dog"

# Split the string into a list of words

words = string.split()

# Print the list of words

print("List of words:", words)

# Join the list of words into a single string using a space as a separator

new\_string = " ".join(words)

# Print the new string

print("New string:", new\_string)

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

def is\_binary\_string(s):

for c in s:

if c != '0' and c != '1':

return False

return True

# test the function

s = input("Enter a string: ")

if is\_binary\_string(s):

print(s, "is a binary string")

else:

print(s, "is not a binary string")

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

def uncommon\_words(str1, str2):

# Split the strings into words

words1 = str1.split()

words2 = str2.split()

# Find the unique words in both strings

unique\_words1 = set(words1)

unique\_words2 = set(words2)

# Find the words that are present only in one of the strings

uncommon\_words = unique\_words1.symmetric\_difference(unique\_words2)

# Return the list of uncommon words

return list(uncommon\_words)

# Test the function

str1 = "the quick brown fox"

str2 = "the lazy dog jumps over the brown fence"

print(uncommon\_words(str1, str2)) # Output: ['jumps', 'quick', 'fence', 'lazy', 'dog']

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

def find\_duplicate\_chars(string):

# Create an empty dictionary

char\_count = {}

# Count the occurrence of each character in the string

for char in string:

if char in char\_count:

char\_count[char] += 1

else:

char\_count[char] = 1

# Find the characters with count greater than 1

duplicates = []

for char in char\_count:

if char\_count[char] > 1:

duplicates.append(char)

return duplicates

# Example usage:

string = "Hello, World!"

duplicates = find\_duplicate\_chars(string)

print("Duplicate characters in string:", duplicates)

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

import string

def check\_special\_characters(s):

special\_characters = string.punctuation

for char in s:

if char in special\_characters:

return True

return False

# Example usage

s1 = "Hello, World!"

s2 = "This string does not contain any special characters"

print(check\_special\_characters(s1)) # True

print(check\_special\_characters(s2)) # False