1. Write a Python program to find words which are greater than given length k?
2. Write a Python program for removing i-th character from a string?
3. Write a Python program to split and join a string?
4. Write a Python to check if a given string is binary string or not?
5. Write a Python program to find uncommon words from two Strings?
6. Write a Python to find all duplicate characters in string?
7. Write a Python Program to check if a string contains any special character?

Ans:

Sure! Here are the Python programs for each of the tasks you mentioned:

1. Python program to find words greater than a given length `k`:

```python

def find\_words\_greater\_than\_length(text, k):

words = text.split()

result = []

for word in words:

if len(word) > k:

result.append(word)

return result

# Example usage

text = "This is a sample text to find words greater than a given length."

k = 5

words\_greater\_than\_k = find\_words\_greater\_than\_length(text, k)

print(words\_greater\_than\_k)

```

2. Python program to remove the i-th character from a string:

```python

def remove\_ith\_character(text, i):

if i < 0 or i >= len(text):

return text

return text[:i] + text[i+1:]

# Example usage

text = "Hello, World!"

i = 4

new\_text = remove\_ith\_character(text, i)

print(new\_text)

```

3. Python program to split and join a string:

```python

def split\_and\_join\_string(text, separator):

words = text.split(separator)

joined\_text = " ".join(words)

return joined\_text

# Example usage

text = "This is a sample text."

separator = " "

joined\_text = split\_and\_join\_string(text, separator)

print(joined\_text)

```

4. Python program to check if a given string is a binary string or not:

```python

def is\_binary\_string(text):

for char in text:

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

return False

return True

# Example usage

text = "101010101"

if is\_binary\_string(text):

print("The string is a binary string.")

else:

print("The string is not a binary string.")

```

5. Python program to find uncommon words from two strings:

```python

def find\_uncommon\_words(text1, text2):

words1 = set(text1.split())

words2 = set(text2.split())

uncommon\_words = words1.symmetric\_difference(words2)

return uncommon\_words

# Example usage

text1 = "This is the first text."

text2 = "This is the second text."

uncommon\_words = find\_uncommon\_words(text1, text2)

print(uncommon\_words)

```

6. Python program to find all duplicate characters in a string:

```python

def find\_duplicate\_characters(text):

duplicate\_chars = []

for char in text:

if text.count(char) > 1 and char not in duplicate\_chars:

duplicate\_chars.append(char)

return duplicate\_chars

# Example usage

text = "Hello, World!"

duplicate\_chars = find\_duplicate\_characters(text)

print(duplicate\_chars)

```

7. Python program to check if a string contains any special character:

```python

import re

def has\_special\_character(text):

special\_chars = re.compile('[@\_!#$%^&\*()<>?/\|}{~:]')

if special\_chars.search(text) is not None:

return True

return False

# Example usage

text = "Hello, World!"

if has\_special\_character(text):

print("The string contains special characters.")

else:

print("The string does not contain any special characters.")

```

These programs should help you accomplish the tasks you mentioned.