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

```
# function find string greater than length k
def string_k(k, str):

    # create the empty string
    string = []

    # split the string where space is comes
    text = str.split(" ")

    # iterate the loop till every substring
    for x in text:

        # if length of current sub string
        # is greater than k then
        if len(x) > k:

            # append this sub string in
            # string list
            string.append(x)
    return string
k = 3
str ="Supriyo"
print(string_k(k, str))
```

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

```
def remove(string, i):

    # Characters before the i-th indexed
    # is stored in a variable a
    a = string[ : i]

    # Characters after the nth indexed
    # is stored in a variable b
    b = string[i + 1: ]

    # Returning string after removing
    # nth indexed character.
    return a + b
```

```
if __name__ == '__main__':

        string = "SupriyoPal"

        # Remove nth index element
        i = 5

        # Print the new string
        print(remove(string, i))
```

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

```
def split_string(string):

        # Split the string based on space delimiter
        list_string = string.split(' ')

        return list_string

def join_string(list_string):

        # Join the string based on '-' delimiter
        string = '-'.join(list_string)

        return string

# Driver Function
if __name__ == '__main__':
        string = 'Supriyo Pal'

        # Splitting a string
        list_string = split_string(string)
        print(list_string)

        # Join list of strings into one
        new_string = join_string(list_string)
        print(new_string)
```

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

```
stringA = '0110101010111'
b = {'0','1'}
```

```
t = set(stringA)

if b == t or t == {'0'} or t == {'1'}:
print("StringA is a binary string.")
else:
print("StringA is not a binary string.")

stringB = '0120101010111'
u = set(stringB)

if b == u or u == {'0'} or u == {'1'}:
print("StringB is a binary string.")
else:
print("StringB is not a binary string.")
```

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

```
def UncommonWords(A, B):

        count = {}

    for word in A.split():
        count[word] = count.get(word, 0) + 1

    # insert words of string B to hash
    for word in B.split():
        count[word] = count.get(word, 0) + 1

    # return required list of words
    return [word for word in count if count[word] == 1]

# Driver Code
A = "Supriyo"
B = "Pal"
print(UncommonWords(A, B))
```

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

```
from collections import Counter

def find_dup_char(input):
```

```
        WC = Counter(input)
        j = -1

        for i in WC.values():
                j = j + 1
                if( i > 1 ):
                        print WC.keys()[j],

# Driver program
if __name__ == "__main__":
        input = 'supriyo'
        find_dup_char(input)
```

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

```
def run(string):
        regex = re.compile('[@_!#$%^&*()<>?/\|}{~:]')
        if(regex.search(string) == None):
                print("String is accepted")
        else:
                print("String is not accepted.")
if __name__ == '__main__' :
        # Enter the string
        string = "Geeks$For$Geeks"

        # calling run function
        run(string)
```