1. **Python – Least Frequent Character in String**

```
test_str = "Anything for Business Analytics"
print ("The original string is : " + test_str)
all_freq = {}
for i in test_str:
        if i in all_freq:
                all_freq[i] += 1
        else:
                all_freq[i] = 1
res = min(all_freq, key = all_freq.get)

# printing result
print ("The minimum of all characters is : " + str(res))
```

2. **Python | Maximum frequency character in String**

```
test_str = "Anythingforbusinessanalytics"

# printing original string
print ("The original string is : " + test_str)

# using naive method to get
# Maximum frequency character in String
all_freq = {}
for i in test_str:
        if i in all_freq:
                all_freq[i] += 1
        else:
                all_freq[i] = 1
res = max(all_freq, key = all_freq.get)

# printing result
print ("The maximum of all characters is: " + str(res))
```

3. **Python | Program to check if a string contains any special character**

```
import re
def run(string):

        regex = re.compile('[@_!#$%^&*()<>?/\|}{~:]').
        if(regex.search(string) == None):
                print("String is accepted")

        else:
                print("String is not accepted.")
# Driver Code
if __name__ == '__main__' :

        # Enter the string
        string = "Supriyo$For$Sassy"
        # calling run function
        run(string)
```

4. **Generating random strings until a given string is generated**

```
import string
import random
import time
my_possibleCharacters = string.ascii_lowercase + string.digits +
string.ascii_uppercase + ' ., !?;:'
t = "ab"
my_attemptThis = ''.join(random.choice(my_possibleCharacters)
for i in range(len(t)))
my_attemptNext = ''
com = False
iteration = 0
# Iterate while completed is false
while com == False:
print(my_attemptThis)
my_attemptNext = ''
com = True
for i in range(len(t)):
```

```
if my_attemptThis[i] != t[i]:
  com = False
my_attemptNext += random.choice(my_possibleCharacters)
else:
  my_attemptNext += t[i]
# increment the iteration
iteration += 1
my_attemptThis = my_attemptNext
time.sleep(0.1)
# Driver Code
print("String matched after " + str(iteration) + " iterations")
```

5. **Find words that are greater than the given length k**

```
def string_k(k, str):
        string = []
        text = str.split(" ")
        for x in text:
                if len(x) > k:
                        string.append(x)
        return string


# Driver Program
k = 3
str ="geek for geeks"
print(string_k(k, str))
```

6. **Python program for removing i-th character from a string**

```
def remove(string, i):
        a = string[ : i]
        b = string[i + 1: ]
        return a + b
if __name__ == '__main__':

        string = "Supriyo"
```

```
    # Remove nth index element
    i = 5

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

7. **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'

    # 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)
```

8. **Python | 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.")
```

9. **Python program to find uncommon words from two Strings**

```
def UncommonWords(A, B):

    # count will contain all the word counts
    count = {}

    # insert words of string A to hash
    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 required answer
print(UncommonWords(A, B))
```

10. Python – Replace duplicate Occurrence in String

```
my_str = 'Jane is the best . Jane loves to cook. Jane and Will cook together'

print("The string is : ")

print(my_str)

replace_dict = {'Jane' : 'She' }

my_list = my_str.split(' ')

my_result = ' '.join([replace_dict.get(val) if val in replace_dict.keys() and my_list.index(val) != idx else val for idx, val in enumerate(my_list)])

print("The string after replacing with values is : ")

print(my_result)
```