

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

Ans:

```
In [1]: 1 string = str(input('Enter a sentence: ')).split(" ")
2 n = int(input('Enter length of word: '))
3 def wordlen(n, string):
4     for word in string:
5         if len(word)>n:
6             print(word)
7 wordlen(n,string)
```

```
Enter a sentence: I am batman
Enter length of word: 1
am
batman
```

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

Ans:

```
In [3]: 1 string = str(input('Enter a string: '))
2 i = int(input('Enter the position of character to be removed: '))
3 newstring = ''
4 for n in range(0, len(string)):
5     if n != i:
6         newstring += string[n]
7 print(newstring)
```

```
Enter a string: Batman
Enter the position of character to be removed: 2
Baman
```

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

Ans:

```
In [4]: 1 string = str(input('Enter a sentence: '))
2 print('Split: ', string.split(' '))
3 print('Join: ', '-'.join(split_string))
```

```
Enter a sentence: I am Batman
Split: ['I', 'am', 'Batman']
Join: I-am-Batman
```

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

Ans:

```
In [6]: 1 string = str(input('Enter a string: '))
2 def binary(string) :
3     b = '01'
4     count = 0
5     for i in string :
6         if i not in b :
7             count = 1
8             break
9         else :
10            pass
11    if count :
12        print("Not binary")
13    else :
14        print("Binary!")
15    binary(string)
```

```
Enter a string: 01001011
Binary!
```

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

Ans:

```
In [14]: 1 string1 = str(input('Enter string 1: '))
2 string2 = str(input('Enter string 2: '))
3 words1 = string1.split(' ')
4 words2 = string2.split(' ')
5 uc = ''
6 for i in words1:
7     if i not in words2:
8         uc = uc+" "+i
9 for j in words2:
10     if j not in words1:
11         uc = uc+" "+j
12 print('Uncommon words: ', uc)
```

```
Enter string 1: I am Batwoman
Enter string 2: I am Batman
Uncommon words: Batwoman Batman
```

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

Ans:

```
In [5]: 1 string = input('Enter a string: ')
2 print('Duplicate characters in the string are: ')
3 for i in range(0, len(string)):
4     count = 1
5     for j in range(i+1, len(string)):
6         if string[i] == string[j]:
7             count += 1
8             string = string[:j] + '0' + string[j+1:]
9     if(count > 1):
10        print(string[i], ' It is repeated', count, 'times')
```

```
Enter a string: characters
Duplicate characters in the string are:
c It is repeated 2 times
a It is repeated 2 times
r It is repeated 2 times
```

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

Ans:

```
In [5]: 1 #check for special characters
2 import re
3 string = input("Enter a string: ")
4 reg = re.compile('[@_!#$%^&*()<>?/\|}{~:]')
5 if reg.search(string) == None:
6     print('Contains special characters')
7 else:
8     print('None')
```

```
Enter a string: yu'h;i
Contains special characters
```