

Python Basic Programming Assignment 11

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

```
In [ ]: 1 str1="This is a test python string for checking."
        2 split=str1.split()
        3 #Ask user to enter the value of K
        4 k=int(input("Enter the K Value: "))
        5 #create an empty List which the strings can hold
        6 empty_str=[]
        7 #Now we can create a for Loop and iterate throuh each words and use "if" con
        8 for i in split:
        9     if len(i)>k:
       10         empty_str.append(i)
       11 # now we can print the List
       12 print(empty_str)
```

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

```
In [16]: 1 char="Programming"
        2 i=4
        3 print("original: ",char)
        4 # start new string
        5 new_s= ""
        6 # Removing character
        7 for j in range(len(char)):
        8     if j!=i-1:
        9         new_s=new_s+char[j]
       10 # After removal of character
       11 print("After removing: ",new_s)
```

```
original: Programming
After removing: Proramming
```

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

```
In [22]: 1 #input the
2 string=input("Enter a string")
3 #split the string based on the space between the string
4 spl=string.split(" ")
5 print(spl)
6
7 #We can join the splitted string with the join statement
8 join_str="*".join(spl)
9 print(join_str)
```

```
Enter a stringThis is a test python string
['This', 'is', 'a', 'test', 'python', 'string']
This*is*a*test*python*string
```

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

```
In [4]: 1 #enter the sting
2 str=input("Enter the string: ")
3 flag = 0
4 for i in str:
5     if i!="0" and i!="1":
6         flag=1
7         break
8 if flag==0:
9     print(str," is a binary string")
10 else:
11     print(str," is not a binary function")
```

```
Enter the string: hello how are you
hello how are you :is not a binary function
```

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

```
In [7]: 1 string1="Hello how are you Prakash"
2 string2="Hello how are you Kevin"
3 #Splitting the string and convert them in to set then perform symmetric oper
4 print(set(string1.split()) ^ set(string2.split()))

{'Kevin', 'Prakash'}
```

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

```
In [19]: 1 #import counter library to check the duplicates
2 from collections import Counter
3 string="Checking duplicate"
4 word=Counter(string)
5 #We can see the repatative words in the string
6 print(word)
```

```
Counter({'e': 2, 'c': 2, 'i': 2, 'C': 1, 'h': 1, 'k': 1, 'n': 1, 'g': 1, ' ': 1, 'd': 1, 'u': 1, 'p': 1, 'l': 1, 'a': 1, 't': 1})
```

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

```
In [24]: 1 # to check the special characters,import a regular expression library
2
3 import re
4
5 # As the used to to pass the sinput string
6 string = input('Enter the string : ')
7
8 # Checking the string contains special character
9 regularExp = re.compile('[@_!#$%^&*()<>?/\|}{~:~:]')
10 print("Entered String is ", string)
11 if(regularExp.search(string) == None):
12     print("The string does not contain special character(s)")
13 else:
14     print("The string contains special character(s)")
```

```
Enter the string : Hellow!!! How are you??
Entered String is  Hellow!!! How are you??
The string contains special character(s)
```

```
In [ ]: 1
```