#### **Programming Assignment\_11**

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?

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

Solution :

**def k\_word(str, k):  
 temp = str.split()  
 for i in temp:  
 if len(i) > k:  
 yield i  
  
  
if \_\_name\_\_ == "\_\_main\_\_":  
 str = "Write a Python program to find words which are greater than given length"  
 k = int(input("Enter digit length : "))  
 print("Words greater than {} are : ".format(k), end = " ")  
 for i in k\_word(str, k):  
 print(i, end=", ")**

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

Solution :

**def remove\_ith(str, ith):  
 for i in range(len(str)):  
 if i == ith:  
 str = str.replace(str[i], "", 1)  
 return str  
  
  
if \_\_name\_\_ == "\_\_main\_\_":  
 str = "Write a Python program for removing i-th character from a string"  
 ith = int(input("Enter ith number : "))  
 print("After removing ith {} position in String : {}".format(ith, remove\_ith(str, ith)))**

Q 3: Write a Python program to split and join a string?

Solution :

**class split\_and\_join :  
 def split\_string(self, str):  
 str = str.split(' ')  
 return str  
  
 def join\_string(self, str):  
 str = '/'.join(str)  
 return str  
  
if \_\_name\_\_ == '\_\_main\_\_':  
 str = "Write a Python program to split and join a string"  
  
 obj = split\_and\_join()  
  
 split\_str = obj.split\_string(str)  
 print(split\_str)  
  
 join\_str = obj.join\_string(str)  
 print(join\_str)**

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

Solution :

def isBinary\_str(str):  
 for i in str:  
 if i != '0' and i != '1':  
 return False  
 return True  
  
if \_\_name\_\_ == '\_\_main\_\_':  
 str2 = "0101011001010111001001001"  
 if isBinary\_str(str2):  
 print("Binary string")  
 else:  
 print("Not a Binary string")

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

Solution :

**def uncommon\_str(str1, str2):  
 uncommon = []  
 str1\_words = set(str1.split())  
  
 str2\_words = set(str2.split())  
 for i in str1\_words:  
 if i not in str2\_words:  
 uncommon.append(i)  
 for i in str2\_words:  
 if i not in str1\_words:  
 uncommon.append(i)  
 return uncommon  
  
if \_\_name\_\_ == '\_\_main\_\_':  
 str1 = "Write a Python Program to check if a string contains any special character"  
 str2 = "Write a Python program to find uncommon words from two Strings"  
  
 print("Uncommon Words in str1 and str2 are {}".format(uncommon\_str(str1,str2)))**