

Assignment 11 Solutions

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

In [1]:

```
1 def string_check(string_length, my_string):
2     result_string = []
3     words = my_string.split(" ")
4     for x in words:
5         if len(x) > string_length:
6             result_string.append(x)
7     return result_string
8 string_length = 3
9 my_string = "INeuron Full Stack Data Science Course is Best"
10
11 print("The string is :")
12 print(my_string)
13 print("\nThe words in the string with length greater than" , string_length , ("is :"))
14 print(string_check(string_length, my_string))
```

The string is :

INeuron Full Stack Data Science Course is Best

The words in the string with length greater than 3 is :

['INeuron', 'Full', 'Stack', 'Data', 'Science', 'Course', 'Best']

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

In [2]:

```
1 def removeCharacter():
2     in_string = input("Enter the String: ")
3     in_char_num = int(input("Enter the ith Character: "))
4     out_string = ''
5     for ele in range(len(in_string)):
6         if ele != in_char_num:
7             out_string = out_string + in_string[ele]
8     print(out_string)
9
10 removeCharacter()
```

Enter the String: abhiishek kale

Enter the ith Character: 3

abhishek kale

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

In [3]:

```
1 s = 'abhishek raj kale'
2
3 print(s.split(" "))
4 print("-".join(s.split()))
```

```
['abhishek', 'raj', 'kale']
abhishek-raj-kale
```

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

In [4]:

```
1 def checkBinary(str):
2     binary = '01'
3     for i in range(len(str)):
4         if str[i] not in binary:
5             print('Not Binary')
6             break
7     else:
8         print('Its a Binary')
9
10 str = input("Enter the string : ")
11 checkBinary(str)
```

```
Enter the string : 1011010101010100
Its a Binary
```

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

In [5]:

```
1 def unCommonWords():
2     in_string_1 = set(input("Enter the String 1: ").split(' '))
3     in_string_2 = set(input("Enter the String 2: ").split(' '))
4     out_string = (in_string_1.union(in_string_2)).difference(in_string_1.intersection(in_string_2))
5     print(out_string)
6
7 unCommonWords()
```

```
Enter the String 1: abhishek raj kale
Enter the String 2: prathamesh raj kale
{'abhishek', 'prathamesh'}
```

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

In [6]:

```
1 str = input("Enter the string a : ").lower()
2 duplicate = []
3
4 for i in str:
5     if str.count(i) > 1 :
6         if i not in duplicate:
7             duplicate.append(i)
8
9 duplicate
```

Enter the string a : njafbufyaj,buyweftiwefuv

Out[6]:

```
['j', 'a', 'f', 'b', 'u', 'y', 'w', 'e']
```

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

In [7]:

```
1 import string
2
3 string_char = string.punctuation
4 spChar = []
5
6 str = input("Enter the string a : ").lower()
7 for i in str:
8     if i in string_char:
9         spChar.append(i)
10 if len(spChar) > 0:
11     print("String {} has special charecter/s : {}".format(str,spChar))
```

Enter the string a : abhi * to be go # for the making \$ and back to @ data
String abhi * to be go # for the making \$ and back to @ data has special ch
arecter/s : ['*', '#', '\$', '@']