

Assignment 2

Question 1

Write a Python program to remove empty List from List.

Ans –

```
# Initializing list
test_list = [5, 6, [], 3, [], [], 9]

# printing original list
print("The original list is : " + str(test_list))

# Remove empty List from List
# using filter
res = list(filter(None, test_list))

# printing result
print ("List after empty list removal : " + str(res))
```

output -

```
The original list is : [5, 6, [], 3, [], [], 9]
List after empty list removal : [5, 6, 3, 9]
```

Question 2

Write a Python program to remove all duplicates words from a given sentence

Ans -

```
# Program without using any external  
library
```

```
s = "Python is great and Java is also  
great"
```

```
l = s.split()
```

```
k = []
```

```
for i in l:
```

```
    # If condition is used to store unique  
    string
```

```
        # in another list 'k'
```

```
        if (s.count(i)>1 and (i not in k)or  
s.count(i)==1):
```

```
            k.append(i)
```

```
print(' '.join(k))
```

Question 3

Write a Python program to find all occurrences of a character in the given string

Ans -

```
str1 = input("Please enter your  
own String : ")  
ch = input("Please enter your  
own Character : ")  
i = 0
```

```
while(i < len(str1)):  
    if(str1[i] == ch ):  
        print(ch, " is Found at  
Position " , i + 1)  
        i = i + 1
```