Assignment 2

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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

```python
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
```