

# LAB 4 : Program to remove the — ith occurrence of the given word in a list where words repeat.

## Program Logic

1. Define a function to remove the ith occurrence of repeated word
  - A. Send three parameter
  - B. Initialize count and index at Zero
  - C. Iterate list for finding ith occurrence
  - D. Remove the ith occurrence using pop()
2. Define list with repetition of word
3. Select the Word you want to delete
4. Call the function
5. Print the updated list

## Define function

In [24]:

```
def remove_word(my_list, word, i):  
    count = 0    # for counting the occurrence of words  
    index = 0    # for counting where we are at present  
  
    for j in my_list:  
        index += 1  
        if j == word:  
            count += 1  
            if count == i:  
                my_list.pop(index-1)  
    return my_list
```

## Initialize the list

In [25]:

```
list1 = ['my', 'I', 'do', 'my', 'he', 'she', 'my', 'he']
```

## We initialize word with its ith occurrence

In [28]:

```
word = 'my'  
n = 2
```

## Calling the function

In [29]:

```
remove_word(list1, word, n)  
print(list1)
```

```
['my', 'I', 'do', 'he', 'she', 'he']
```

In [ ]: