

Experiment No - 04

Aim - Write a program to remove the n^{th} Occurance of the given word in a list where word repeats.

Theory -

Logic for a program to remove the n^{th} Occurance of the given verb in a list where words repeats.

1. Take the number of elements in the list and store it in a Variable.
2. Accept the values into the list using a for loop and insert them into the list.
3. Use a for loop for to traverse through the elements in the list.
4. Then use an if statement to check if the word to be removed matches the elements and the occurrence number & otherwise it appends the element to another list.
5. The number of repetitions along with the updated list is and distinct elements is printed
6. Expt.

• Program Explanation -

- ① User must enter the number of elements in the list and store it in a variable.
- ② User enter the values of elements into the list.
- ③ The append function obtains each elements from the user and adds the same to the end of the list as many times as the number of elements taken.
- ④ User must enter the word and the occurrence of the word to remove.
- ⑤ A for loop is used to traverse across the elements in the list.
- ⑥ An if statement then checks whether the element matches equal to the word that must be removed and whether the occurrence of the element matches the occurrence to be removed.
- ⑦ If both aren't true, the element is appended to another list.
- ⑧ If only the word matches , the count value is incremented.
- ⑨ finally the number of repetitions along with the updated list and the distinct elements is printed.

Conclusion -

Hence in this program we learned how to remove the i^{th} occurrence of the given word in list where words are repeated. By using user defined list. In program used append function to add the elements in the defined list entered by the user. And for loop used to count and check the iteration of word.