

## LAB 3

1. WAP to insert new element at given index number in the array.
2. WAP to implement the linear search. Use function concept, if element is found then return index number of element otherwise return -1;
3. WAP to delete an element from an array, use search algorithm to find the index number of given number; if element to be deleted is not found then print “Error: element not found”.
4. WAP for checking whether there are any duplicated elements in the array or not?

### **Advanced Problem:**

5. Mary is a kindergarten teacher. She has given a task to the children after teaching them a list of words. The task is to find the unknown words (other than the words they already know) from the given text. Write a function which accepts the text and the known list of words and prints a set of unknown words found. If there are no unknown words found then prints “Successful”. [Hint use *find\_word()* function of Lab 1]

Sample Input	Expected Output
Text: "the sun rises in the east" Vocabulary: ["sun","in","east","doctor","day"]	{“rises”, “the”}