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?
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"}

6. [***This is a Q. 10 of Lab 2, Solve it if you have not done earlier***] Consider that you are given with a data base of employee records (at least 5). Each employee record having following information –

   Emp_id(integer) Emp_name(string) Emp_city

   Assume that Emp_id is unique. Write a function for taking data base and put it in your header file. Use this function by including your own header file for following questions.

   {Use the structure for creating data base}

   a. Write a function to find out the employee record from this data base on the base of Emp_id.
   b. Write a function to sort the employee records on the base of Emp_id.
   c. Write a function to sort (alphabetically) the array of characters.
   d. Write a function to count the number of employees in data base.
   e. Write a function to add 5 more records in data base.