**Fix Bugs of the Application.**

**Problem Statement- fix the bugs in the application using the appropriate algorithmic techniques.**

**In this Project I have learnt How to fix bugs of the project and I have solved it by using**

1. **Searching Technique**

**In this I have use Linear Search Algorithm**

Linear search is implemented using following steps...

• Step 1 - Read the search element from the user.

• Step 2 - Compare the search element with the first element in the list.

• Step 3 - If both are matched, then display "Given element is found!!!" and terminate the function

• Step 4 - If both are not matched, then compare search element with the next element in the list.

• Step 5 - Repeat steps 3 and 4 until search element is compared with last element in the list.

• Step 6 - If last element in the list also doesn't match, then display "Element is not found!!!" and terminate the function.

1. **The expenses should be sorted in ascending order.**

In This I have use merge Sort for Sorting in Ascending order

MergeSort(arr, left, right):

if left > right

return

mid = (left+right)/2

mergeSort(arr, left, mid)

mergeSort(arr, mid+1, right)

merge(arr, left, mid, right)

end