```
Insert 4 into a data array:
Step 0:
Element to insert: 4
Array:
                   [8,4,2,2,2,2,1,1]
Current element:8
Current element index: 0
Comment: 8 != 4-> next element
Step 1:
Element to insert: 4
Array:
                   [8,4,2,2,2,2,1,1]
Current element:4
Current element index: 1
Comment: 4 = 4 -> place found -> array[1]
Step 2:
Element to insert: 4
Array:
                   [8,4,4,2,2,2,2,1,1]
Current element:4
Current element index: 1
Comment: 4 = 4 -> place found -> array[1] = Element to insert = 4
Finished array: [8,4,4,2,2,2,2,1,1]
Insert 4 into a list:
Step 0:
Head pointer element: [1]
List: [1]->[1]->[2]->[2]->[2]->[4]->[8]
Current element: ^
Comment: 1 != 4 -> next element
Step 1:
Head pointer element: [1]
       [1]->[1]->[2]->[2]->[2]->[4]->[8]
Current element:
Comment: 1 != 4 -> next element
Step 2:
Head pointer element: [2]
List: [1]->[1]->[2]->[2]->[2]->[4]->[8]
Current element:
Comment: 2 != 4 -> next element
Step 3:
Head pointer element: [2]
          [1]->[1]->[2]->[2]->[2]->[4]->[8]
ement: ^
Current element:
Comment: 2 != 4 -> next element
Step 4:
Head pointer element: [2]
          [1]->[1]->[2]->[2]->[2]->[4]->[8]
Current element:
Comment: 2 != 4 -> next element
Step 5:
Head pointer element: [2]
      [1]->[1]->[2]->[2]->[2]->[2]->[4]->[8]
Current element:
Comment: 2 != 4 -> next element
Step 6:
Head pointer element: [4]
      [1]->[1]->[2]->[2]->[2]->[4]->[8]
Current element:
Comment: 4 = 4 -> place found
```

Step 7:
Head pointer element: [4]
List: [1]->[1]->[2]->[2]->[2]->[4]->[8]
Current element: ^
Comment: 4 = 4 -> place found -> List[6]

Step 8:

Head pointer element: [4]

List: [1]->[1]->[2]->[2]->[2]->[4]->[4]->[8]

Current element:

Comment: 4 = 4 -> place found -> List[6] -> Element to insert = [4]

Finished List: [1]->[1]->[2]->[2]->[2]->[4]->[4]->[8]