Linear Search

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Set found to false

Set position to -`

Set index to 0

While index < number of elements and false

If list[index] is equal to search value

Found = true

Position = index

End if

Add 1 to index

End while

Return position

Bubble sort

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Do

Set swap flag to false

For count = 0 to the next to last subscript

If array[count[ is greater than array[count+1]

Set swap flag to true

End if

End for

While swap flag is true

Binary Search

Set first to zero

Set last to the last subscript in the aray

Set found to false

Set position to -1

While found is not true and first is less than or equal to last

Set middle subscript halfway between first and last

If array[middle] equal to the desired value

Set found to true

Set position to middle

Else if array[middle] is greater than the desired value

Set last to middle -1

Else set first to middle + 1

End if

End while

Return position