# SEARCH SORTED LINKED – LIST

**Search Sorted ( ):**

**Description:** Here **START** is a pointer variable which contains the address of first node. **ITEM** is the value to be searched.

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|---|---|---|
| **1.** | Set PTR = START, LOC = 1 | [Initialize PTR and LOC] |
| **2.** | Repeat While (PTR != NULL) | |
| **3.** |     If (ITEM > PTR->INFO) Then | [Check if ITEM is greater then INFO field] |
| **4.** |         PTR = PTR->LINK | [Move PTR to next node] |
| **5.** |         LOC = LOC + 1 | [Increment LOC] |
| **6.** |    Else If (ITEM == PTR->INFO) Then | [Check if ITEM matches with INFO field] |
| **7.** |       Print: ITEM is present at location LOC | |
| **8.** |       Return | |
| **9.** |    Else | |
| **10.** |       Print: ITEM is not present in the list | |
| **11.** |       Return | |
| **12.** |    [End of If] | |
| **13.** | [End of While Loop] | |
| **14.** | Exit | |