

INSERT AT ANY SPECIFIC NODE IN A LINKED – LIST

Insert Specific ():

Description: Here **START** is a pointer variable which contains the address of first node. **NEW** is a pointer variable which will contain address of new node. **N** is the value after which new node is to be inserted and **ITEM** is the value to be inserted.

```
1.  If (START == NULL) Then
2.      Print: Linked-List is empty. It must have at least one node
3.  Else
4.      Set PTR = START, NEW = START
5.      Repeat While (PTR != NULL)
6.          If (PTR->INFO == N) Then
7.              NEW = New Node
8.              NEW->INFO = ITEM
9.              NEW->LINK = PTR->LINK
10.             PTR->LINK = NEW
11.             Print: ITEM inserted
12.         ELSE
13.             PTR = PTR->LINK
           [End of Step 6 If]
       [End of While Loop]
   [End of Step 1 If]
14. Exit
```