DELETE LAST NODE IN A LINKED – LIST

Delete Last ( ):

Description: Here **START** is a pointer variable which contains the address of first node. **PTR** is a pointer variable which contains address of node to be deleted. **PREV** is a pointer variable which points to previous node. **ITEM** is the value to be deleted.

```
1.   If (START == NULL) Then                    [Check whether list is empty]
2.        Print: Linked-List is empty.
3.   Else
4.        PTR = START, PREV = START
5.        Repeat While (PTR->LINK != NULL)
6.             PREV = PTR                       [Assign PTR to PREV]
7.             PTR = PTR->LINK                  [Move PTR to next node]
          [End of While Loop]
8.        ITEM = PTR->INFO                      [Assign INFO of last node to ITEM]
9.        If (START->LINK == NULL) Then [If only one node is left]
10.            START = NULL                     [Assign NULL to START]
11.       Else
9.             PREV->LINK = NULL          [Assign NULL to link field of second last node]
          [End of Step 9 If]
10.       Delete PTR
11.       Print: ITEM deleted
     [End of Step 1 If]
12.  Exit
```