Doubly Linked List – This is a special type of linked list in which every node contains 2 links. One to predecessor node and another to subsequent node. This helps to traverse the Linked List in either direction i.e. Left to Right OR Right to Left.

NULL 18 956

956 13 NULL

600 -25 1024

prev data next

head = 600 956 1024

struct node

{

int data;

struct node \*prev, \*next;

};

1st node Subsequent Nodes

600 18 NULL

NULL 18 956

NULL 18 NULL

newnode = 600, head, temp head = 600 newnode = 956

newnode->next = NULL; temp = 600

newnode->prev = NULL; // 1st if

head = temp = newnode; newnode->prev = temp; // else

temp->next = newnode;

Without using recursive function, display the nodes of LL in reverse order.