

Explorer

DoubleLL1.c x InsertEnd... x

Submit

1 struct node {
2 int data;
3 struct node *prev;
4 struct node *next;
5 };
6 typedef struct node * NODE;
7
8 NODE createNodeInDLL() {
9 NODE temp;
10 temp = (NODE) malloc(sizeof(struct node));
11 temp->prev = NULL;
12 temp->next = NULL;
13 return temp;
14 }
15
16 NODE insertAtEndInDLL(NODE first, int x).
17 {
18 NODE temp = first;
19 NODE temp2 = createNodeInDLL();
20 temp2->data = x;
21 if(temp == NULL)
22 {
23 return temp2;
24 }
25
26 while(temp->next != NULL)
27 {
28 temp = temp->next;
29 }
30 temp->next = temp2;
31 temp2->prev = temp;
32
33 return first;
34 }
35
36 void traverseListInDLL(NODE first).
37 {
38 NODE temp = first;
39
40 if(temp == NULL)
41 {
42 printf("Doubly Linked List is Empty.\n");
43 }
44 }

Plots

Debugger

< Prev

Reset

Submit

Next >

```
45     while(.temp != .NULL.)
46     {
47         printf("%d<-->.", .temp->data.);
48         temp = .temp->next;
49     }
50
51     printf("NULL\n");
52 }
53
54
55
```



Terminal



Test cases