

Explorer

SingleLL4.c × InsAtPosi... ×

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Debugger

```
1  struct node {
2      int data;
3      struct node *next;
4  };
5  typedef struct node *NODE;
6  NODE createNode() {
7      NODE temp;
8      temp = (NODE) malloc(sizeof(struct node));
9      temp->next = NULL;
10     return temp;
11 }
12
13 NODE insertAtPosition(NODE first, int pos, int x)
14 {
15     if(pos <= 0)
16     {
17         printf("No such position in SLL so insertion is not
18 possible\n");
19         return first;
20     }
21
22     int i;
23
24     NODE temp, prevpos = first, last = first;
25
26     for(int i = 1; i < pos; i++)
27     {
28         if(last == NULL)
29         {
30             printf("No such position in SLL so insertion is not
31 possible\n");
32             return first;
33         }
34         prevpos = last;
35         last = last->next;
36     }
37
38     temp = createNode();
39     temp->data = x;
40     if(pos == 1)
41     {
42         temp->next = first;
43         first = temp;
```

< Prev

Reset

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Next >

```
45
46
47
48     else
49     {
50         temp->next = .prevpos->next;
51         prevpos->next = .temp;
52     }
53
54     return .first;
55
56 }
57
58 void traverseList(NODE .first)
59 {
60     NODE .temp;
61     temp = .first;
62     while(temp != .NULL)
63     {
64         printf("%d-->.", .temp->data);
65         temp = .temp->next;
66     }
67     printf("NULL\n");
68 }
69
```



Terminal



Test cases