



main.c



Share

Run

Output

Clear

```
1 #include <stdio.h>
2 #include <stdlib.h>
3 struct Node {
4     int data;
5     struct Node *next;
6 };
7 int main() {
8     struct Node *head,*first,*second;
9     head=(struct Node*)malloc(sizeof(struct Node));
10    first=(struct Node*)malloc(sizeof(struct Node));
11    second=(struct Node*)malloc(sizeof(struct Node));
12    head->data=10;
13    first->data=20;
14    second->data=30;
15    head->next=first;
16    first->next=second;
17    second->next=NULL;
18
19    struct Node *newNode=(struct Node*)malloc(sizeof(struct Node));
20    newNode->data=5;
21    newNode->next=head;
22    head=newNode;
23
24    struct Node *temp = head;
25    while (temp != NULL) {
26        printf("%d\n", temp->data);
27        temp = temp->next;
28    }
29
30    free(head);
31    free(first);
32    free(second);
33    free(temp);
34    return 0;
35 }
36
```

```
5
10
20
30

=== Code Execution Successful ===
```