



Try Now

```
main.c
1 #include<stdio.h>
2 #include<stdlib.h>
3
4 struct Node
5 {
6     int data;      // corrected here
7     struct Node *next;
8 };
9
10 int main()
11 {
12     struct Node *head, *first, *second;
13
14     head = (struct Node*)malloc(sizeof(struct Node));
15     first = (struct Node*)malloc(sizeof(struct Node));
16     second = (struct Node*)malloc(sizeof(struct Node));
17
18     head->data = 10;
19     head->next = first;
20
21     first->data = 20;
22     first->next = second;
23
24     second->data = 30;
25     second->next = NULL;
26 }
```



Run

Output

5 -&gt; 10 -&gt; 20 -&gt; 30 -&gt; NULL

--- Code Execution Successful ---

Clear



```
19     head->next = first;
20
21     first->data = 20;
22     first->next = second;
23
24     second->data = 30;
25     second->next = NULL;
26
27     // Insert at beginning
28     struct Node *newNode = (struct Node*)malloc(sizeof(struct Node
29         ));
30     newNode->data = 5;
31     newNode->next = head;
32     head = newNode;
33
34     // Print Linked List
35     struct Node *temp = head;
36     while(temp != NULL)
37     {
38         printf("%d -> ", temp->data);
39         temp = temp->next;
40     }
41     printf("NULL");
42
43     return 0;
```

^ 5 -> 10 -> 20 -> 30 -> NULL

--- Code Execution Successful ---

	1	2	3	4	5	6
7		9	10	11	12	13
8			16	17	18	19
14				24	25	26
15				30	31	27
21						
22						
28						
29						

```

4) #include <stdio.h>
#include <stdlib.h>
struct node
{
    int data;
    struct Node* next;
};

int main()
{
    struct Node* head, *first, *second;
    head = (struct Node*) malloc (sizeof (struct Node));
    first = (struct Node*) malloc (sizeof (struct Node));
    second = (struct Node*) malloc (sizeof (struct Node));
}

```

Sunday 2

head -> data = 10;  
 head -> next = first;

first -> data = 20;  
 first -> next = second;

Second -> data = 30;  
 Second -> next = NULL;

Struct Node\* newNode = (struct Node\*)
 malloc (sizeof (struct Node));
 newNode -> data = 5;
 newNode -> next = head;
 head = newNode;

Struct node \* temp = head;  
while (\*temp != NULL)  
{  
 Print (\*temp);  
 temp = temp->next;  
}  
Print ("NULL");  
return 0;  
}

Output:

5 -> 10 -> 20 -> 30 -> NULL

4

Tuesday