



OnlineGDB beta

online compiler and debugger for c/c++

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```
8 *****/
9 #include<stdio.h>
10 #include<stdlib.h>
11 struct node
12 {
13     int data;
14     struct node *link;
15 };
16 struct node *head= NULL;
17 struct node *newnode;
18 struct node* createnode(int data)
19 {
20     struct node *temp=(struct node*)(malloc(sizeof(struct node)));;
21     temp->data=data;
22     temp->link=NULL;
23     return temp;
24 }
25 void insertnode(int data)
26 {
27     if(head==NULL)
28     {
29         head=createnode(data);
30     }
31     else
32     {
33         struct node*temp=head;
34         while(temp->link!=NULL)
35         {
```

input

stdout

stderr



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```
35 {
36     temp=temp->link;
37 }
38 newnode=createnode(data);
39 temp->link=newnode;
40 }
41 }
42 struct node* search(int data)
43 {
44     struct node *temp=head;
45     while(temp!=NULL)
46     {
47         if(temp->data==data)
48         {
49             return temp;
50         }
51         temp=temp->link;
52     }
53     return NULL;
54 }
55 void printlinkedlist()
56 {
57     struct node *temp=head;
58     int i=1;
59     while(temp!=NULL)
60     {
61         printf("\n Node %d : %d",i,temp->data);
62         temp=temp->link;
63         i++;
```

input

stdout

stderr

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```
62     temp=temp->link;
63     i++;
64 }
65 }
66 int main()
67 {
68     int n,i,data,x;
69     printf("\n Enter the number of nodes : ");
70     scanf("%d",&n);
71     i=0;
72     while(i<n)
73     {
74         printf("\n Enter the %d node : ",i+1);
75         scanf("%d",&data);
76         insertnode(data);
77         i++;
78     }
79     printlinkedlist();
80     return 0;
81 }
82
```

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input

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```
54 }
55 void printlinkedlist()
56 {
57     struct node *temp=head;
```

Language C

input

Enter the number of nodes : 5

Enter the 1 node : 1

Enter the 2 node : 2

Enter the 3 node : 10

Enter the 4 node : 15

Enter the 5 node : 23

Node 1 : 1

Node 2 : 2

Node 3 : 10

Node 4 : 15

Node 5 : 23

...Program finished with exit code 0

Press ENTER to exit console.