

~\OneDrive\Desktop\coding\DSA\Stack\stacklinklist.cpp

```
1  #include<iostream>
2  using namespace std ;
3  class node{
4      public:
5      int data;
6      node*next;
7      node(int data){
8          this->data=data;
9          this->next=NULL;
10     }
11 };
12 class stack{
13     public:
14     node*head;
15     stack(){
16         head=NULL;
17     }
18     void push(int data){
19         node*newnode=new node(data);
20         if(head==NULL){
21             head=newnode;
22         }
23         else{
24             newnode->next=head;
25             head=newnode;
26         }
27     }
28     void pop(){
29         if(head==NULL){
30             cout<<"stack is empty";
31         }
32         else{
33             node*temp=head;
34             head=head->next;
35             delete temp;
36         }
37     }
38 }
39 int front(){
40     return head->data;
41 }
42 }
43 bool empty(){
44     return head==NULL;
45 }
46 };
47 int main(){
48     int arr[]={4,6,7,8,9};
49     stack a;
50     for (int i = 0; i < 5; i++)
51     {
```

```
52     a.push(arr[i]);
53 }
54
55 // a.push(2);
56 // a.push(6);
57 // a.push(5);
58
59 while(!a.empty()){
60     cout<<a.front()<<endl;
61     a.pop();
62 }
63 return 0 ;
64 }
```