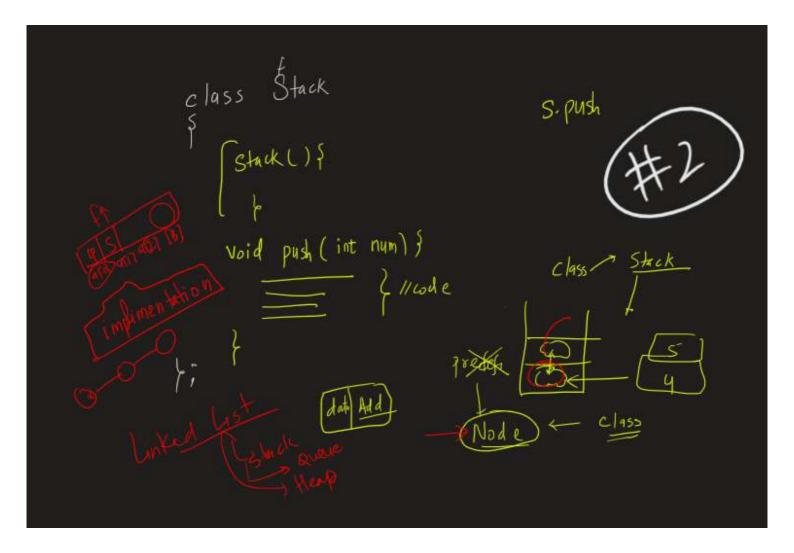
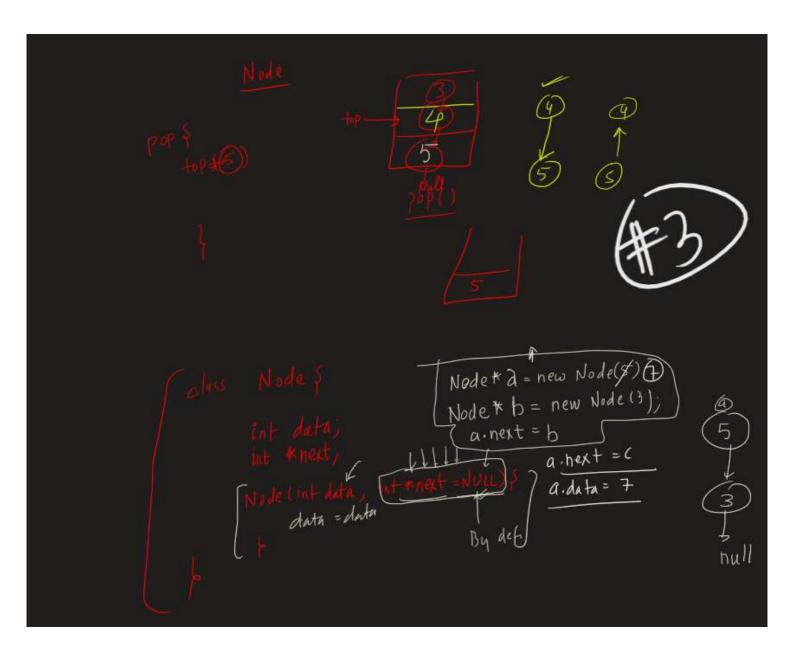
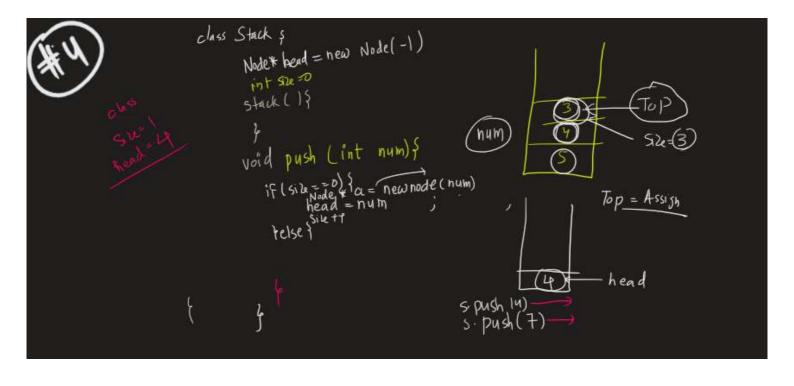
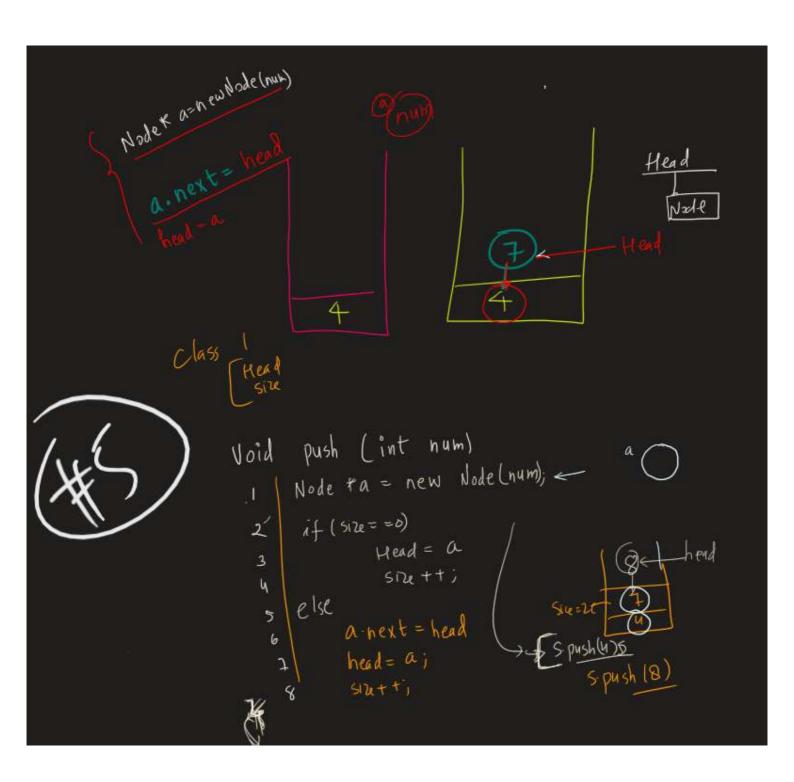
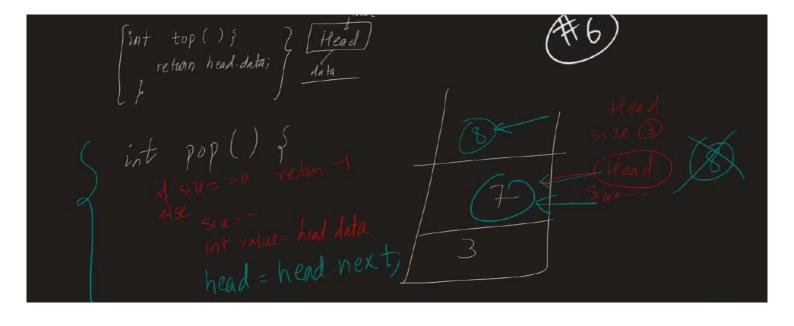
Stack ("int > S push () Stack insert() POP () top () 5.7090) S. bob() class Stack



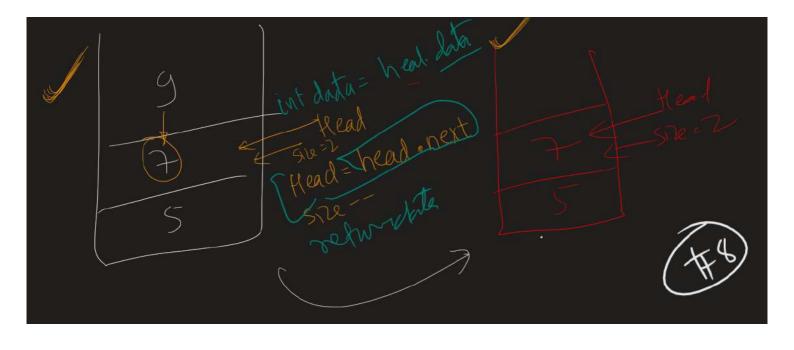


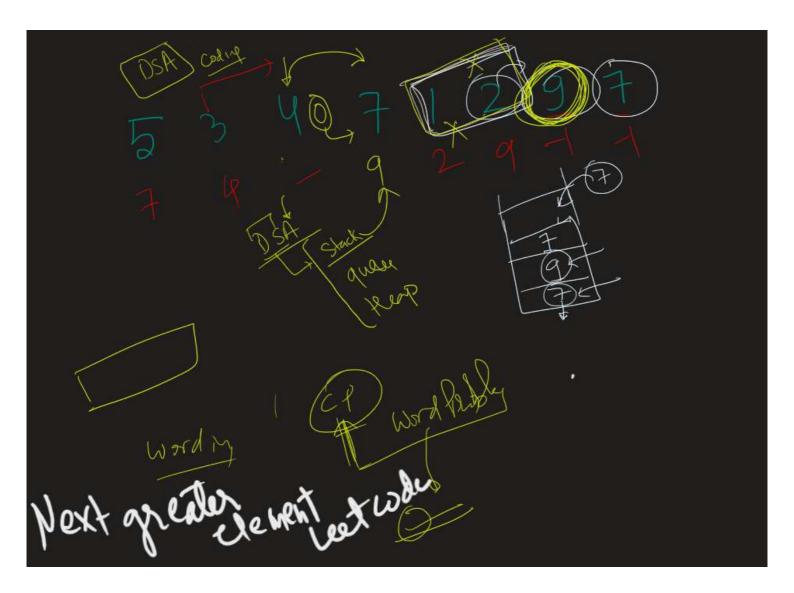






s. push L7)
a.next = head
head = Ch
size = 1
Size = 1





```
#include<bits/stdc++.h>
using namespace std;
class Node{
    public:
    int data;
    Node *next;
    Node(int data, Node *next=NULL){
        this->data=data;
        this->next=next;
```

```
class Stack{
    public:
    int size=0;
    Node* head;
    Stack(){
        size=0;
        head=NULL;
    void push(int num){
        Node *a = new Node(num);
        if(size==0){
            head=a;
            this->size++;
        }else{
            size++;
            a->next=head;
            this->head=a;
```

```
int top(){
   return head->data;
bool isempty(){
    if(size==0) return true;
    else return false;
int pop(){
    if(size==0) return -1;
    else{
        int value=head->data;
        head = head->next;
        size--;
        return value;
```

```
int main(){
```

```
Stack s;
cout<<s.isempty()<<endl;
s.push(3);
s.push(4);
s.push(5);
s.push(5);
s.push(7);
cout<<s.top()<<endl;
cout<<s.isempty();</pre>
```