**Array Stack Implementation**

public class StackArray {

 String[] items;

 int top;

 int size =0;

 StackArray() {

 items = new String[5];

 top = -1;

 }

public void push(String element) {

 if (size == 5) {

 System.out.println("Stack is full");

 }

 else {

 top=top+1;

 items[top] = element;

 size++;

 System.out.println("Insert " + element);

 }

 }

 public String pop() {

 String element;

 if (size ==0) {

 System.out.println("Stack is empty");

 return (null);

 }

 else {

 element = items[top];

 items[top] =null;

 top = top-1;

 size--;

 }

 System.out.println( element + " Deleted");

 return (element);

 }

}

**Linked List Stack Implementation**

public class StackLinkedList {

 Node<String> top=null;

 int size =0;

 public void push(String item)

 {

 Node<String> n1 = new Node<String>(item,null);

 if(size==0)

 {

 top = n1;

 size++;

 }

 else

 {

 n1.next=top;

 top = n1;

 size++;

 }

 }

 public String pop()

 {

 String item =null;

 if(size>0)

 {

 item = top.data;

 top = top.next;

 size--;

 }

 return item;

 }

}