**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;

}

}