import java.util.Scanner;

public class Pilas {

static int tope=0;

static int t=0;

static int opt=0;

public static void main(String[] args) {

Scanner sc= new Scanner(System.in);

System.out.println("Tamaño de la pila");

t=sc.nextInt();

int []pila = new int [t];

do{

System.out.println("1-Agregar\n"

+"2-Mostrar\n"

+"3-eliminar\n"

+"4-salir\n");

opt=sc.nextInt();

switch(opt){

case 1:

if(tope < t){

System.out.println("Agrega el valor");

pila[tope]= sc.nextInt();

tope ++;

}else{

System.out.println("La pila esta llena");

}

break;

case 2:

if(tope > 0){

for(int i = tope-1;i>=0;i--){

System.out.println(pila[i]);

}

break;

}else{

System.out.println("La pila esta vacia");

}

break;

case 3:

if(tope > 0){

tope--;

}else{

System.out.println("Error: Pila vacia");

}

break;

}

}while(opt!=4);

}

}