//--------------------------------------------------------------------------------------------------

//programa 5

program tp5;

uses GenericLinkedList;

type

lista=specialize Linkedlist <integer>;

vector=array[-10..10] of integer;

procedure cargarlista(var l:lista;n,min,max:integer);

var

a,i:integer;

begin

randomize;

l:=lista.create;

for i:=1 to n do

begin

a:=random(max-min)+min;

l.add(a);

end;

end;

procedure cargovector(var vc:vector);

var

i:integer;

begin

for i:=-10 to 10 do

begin

vc[i]:=0;

end;

end;

procedure imprimirlista(l:lista);

begin

l.reset;

while not l.eol do

begin

writeln(l.current);

l.next;

end;

end;

procedure contar(var vc:vector;l:lista);

begin

cargovector(vc);

l.reset();

while not l.eol() do

begin

vc[l.current]:=vc[l.current]+1;

l.next

end;

end;

var

l:lista;

vc:vector;

min,max,n,i:integer;

begin

writeln('Ingrese un minimo');

readln(min);

writeln('Ingrese un maximo');

readln(max);

writeln('Ingrese numero');

readln(n);

cargarlista(l,n,min,max);

imprimirlista(l);

contar(vc,l);

for i:=-10 to 10 do

begin

writeln (i,' se repite un total de ', vc[i],' veces ');

end;

end.