Program Pzim\_1 ;

var n:array[0..20] of integer;

i,j,p,aux:integer;

Begin

writeln( ' Digite um vetor');

for i:= 1 to 19 do

read(n[i]);

for i:=1 to 19 do

begin

for j:= i+1 to 19 do

begin

if n[i] < n[j] then

begin

aux:=n[j];

n[j]:=n[i];

n[i]:=aux;

end;

end;

end;

writeln ( 'O menor elemento :' ,n[i]);

for i:= 1 to 1 do

p:=i;

writeln(' | ',n[i], ' | ',p);

End.

Program Pzim\_2 ;

var

j: array[1..10] of integer;

i, post, ant : integer;

begin

for i := 1 to 10 do

begin

Writeln ('Digite o número ',i, ':');

ReadLn (j[i]);

end;

for i := 1 to 10 do

begin

Writeln (j[i]);

end;

for i := 1 to 10 do

begin

if (i mod 2) > 0 then

begin

ant := j[i];

post := j[i+1];

j[i] := post;

j[i+1] := ant;

end;

end;

Writeln('//////////////////');

for i := 1 to 10 do

begin

Writeln (j[i]);

end;

end.

Program Pzim\_5 ;

Var n:array[1..100] of integer;

x,y,imenor,troca:integer;

Begin

for x:=1 to 100 do

Begin

writeln('Número ',x);

readln(n[x]);

End;

for x:=1 to 100 do

Begin

imenor:=x;

for y:=x+1 to 100 do

Begin

if n[y]>n[imenor] then imenor:=y;

if n[x]<>n[imenor] then

Begin

troca:=n[x];

n[x]:=n[imenor];

n[imenor]:=troca;

end;

End;

End;

writeln('Valores Ordenados');

for x:=1 to 100 do

Begin

writeln(n[x]);

End;

End.

Program Pzim\_6 ;

var i,j,m,c:integer;

a:array[0..15] of integer;

b:array[0..15] of integer;

Begin

writeln( ' Digite o vetor');

for i:=1 to 14 do

readln( a[i]);

m:=0;

for i:=1 to 14 do

begin

c:=trunc(sqrt(a[i]));

for j:= 2 to c do

begin

if i mod j =0 then break;

if (j=c) or (a[i] = 2) then

begin

b[m]:=i;

m:=m+1;

end;

end;

end;

for i :=1 to m-1 do

writeln (' |' ,b[i]);

End.

Program Pzim\_7;

var i,j,m,c:integer;

a,b:array[1..15] of integer;

Begin

m:=0;

writeln ( ' Digite o vetor ');

for i:=1 to 14 do

begin

read(a[i]);

if (a[i]=2) or (a[i]=3) then

begin

b[m]:=a[i];

m:=m+1;

end;

c:=trunc(sqrt(a[i]));

for j:= 2 to c do

begin

if a[i] mod j =0 then break;

if (j=c) then

begin

b[m]:=a[i];

m:=m+1;

end;

end;

end;

for i:= 1 to m-1 do

writeln(' |' ,b[i]);

End.

Program Pzim\_8 ;

const tam = 8;

var x:array[1..tam] of integer;

n,i,j,cont:integer;

d:boolean;

Begin

for i:= 1 to tam do

readln(x[i]);

for i:=1 to tam do

begin

cont:=0;

d:=true;

for j:=1 to tam do

if x[i] = x[j] then

cont:=cont+1;

if (cont > 1 ) then

writeln ( ' O valor de ' , x[i], ' nao eh distinto, ele aparece ' ,cont, ' vezes no vetor')

else

writeln ( ' O valor de ' , x[i], 'eh um valor distinto, ele aparece ' ,cont, ' vez no vetor, na posicao ',i, 'do vetor');

end;

End.

Program Pzim\_9;

var a:array[1..50] of integer;

i,j,aux,b:integer;

Begin

b:=-1;

for i:=1 to 50 do

begin

writeln(' Digite o valor ',i,' do vetor a:');

readln(a[i]);

end;

while (b<0) or (b>2) do

begin

writeln (' Digite 0 para encerrar o programa, um para mostrar o vetor ou 2 para mostrar o vetor na ordem inversa');

readln(b)

end;

if (b=0) then

begin

writeln('fim do programa');

end;

if (b=1) then

begin

write( ' O seu vetor eh: [');

for i:= 1 to 50 do

begin

write(a[i], ' ');

end;

writeln(']');

end;

if (b=2) then

begin

for i:=1 to 49 do

for j:=i+1 to 50 do

if (i<j) then

begin

aux:=a[j];

a[j]:=a[i];

a[i]:=aux;

end;

write( ' O seu vetor inverso fica: [');

for i:= 1 to 50 do

begin

write(a[i], ' ');

end;

writeln(']');

end;

End.

Program Pzim\_10 ;

var i,j,aux:integer;

l:array[0..9] of integer;

Begin

writeln (' Digite o vetor');

for i:= 1 to 9 do

read(l[i]);

for i:=1 to 9 do

begin

for j:=i+1 to 9 do

begin

if l[i]>l[j] then

begin

aux:=l[j];

l[j]:=l[i];

l[i]:=aux;

end;

end;

end;

writeln('Os 3 menores elementos sao: ' );

for i:=1 to 2 do

write(' | ' ,l[i]);

End.

Program Pzim\_12;

const tam=9;

var i,aux:integer;

l:array[0..tam] of integer;

Begin

writeln('Digite o vetror:');

for i:=1 to 9 do

readln(l[i]);

for i:=1 to (tam div 2) do

begin

aux:=l[i];

l[i]:=l[tam-i];

l[tam-i]:=aux;

end;

write(' O vetor invertido: [');

for i:=1 to tam do

writeln(l[i], ']');

End.