***Пошук min/max(min)***

**Program** Blad\_lox;

**Var**

a, b, min:integer;

mas:**array**[1.. 1000] **of** integer;

**Begin**

Randomize;

**For** a:=1 **to** 1000 **do**

mas[a]:=random(10000);

min:=mas[1];

**For** b:=1 **to** 999 **do**

**Begin**

**If** min>mas[b+1] **then**

min:=mas[b+1];

**End**;

Writeln (min);

**End**.

***Сортировка посредством выбора***

**Program** Quantil;

**Var**

a, c, i:integer;

mas:**array**[1.. 100] **of** integer;

**procedure** FindMin(**var** startindex ,lowindex: integer);

**var** lowelem: integer;

u: integer;

**begin**

lowindex := startindex;

lowelem := mas[startindex];

**for** u:=startindex+1 **to** 100 **do**

**if** mas[u] < lowelem **then**

**begin**

lowelem := mas[u];

lowindex := u;

**end**;

**end**;

**procedure** swap(**var** x,y: integer);

**var** t: integer;

**begin**

t := x;

x := y;

y := t

**end**;

**Begin**

Randomize;

**For** a:=1 **to** 100 **do**

mas[a]:=random(100);

**begin**

**for** c:=1 **to** 99 **do**

**begin**

FindMin(c, i);

swap(mas[c],mas[i])

**end**

**end**;

**For** c:=1 **to** 100 **do**

Writeln (mas[c]);

**End**.

***Пузирок***

**Program** Quantil;

**Var**

i, a, c, b:integer;

mas:**array**[1..1000] **of** integer;

**procedure** za\_Iyna(**var** x,y: integer );

**var** t: integer;

**begin**

t := x;

x := y;

y := t

**end**;

**Begin**

Randomize;

**For** i:=1 **to** 1000 **do**

mas[i]:=random(10000);

**For** a:=1 **to** 1000 **do**

**Begin**

**For** b:=1 **to** 1000-a **do**

**Begin**

**If** mas[b]>mas[b+1] **then**

za\_Iyna(mas[b], mas[b+1])

**End**;

**End**;

**For** c:=1 **to** 1000 **do**

Writeln (mas[c]);

**End**.

**Сортировка вставками(шось таке)**

**Program** n;

**Var**

a, b, c, i:integer;

M:**array**[0.. 10] **of** integer;

**procedure** swap(**var** x,y: integer);

**var** t: integer;

**begin**

t := x;

x := y;

y := t;

**end**;

**Begin**

Randomize;

**For** i:=1 **to** 10 **do**

M[i]:=random(10);

**For** b:=1 **to** 10 **do**

**Begin**

**For** a:=2 **to** 10 **do**

**Begin**

b:=a;

**while** M[c]<M[c-1] **do**

**Begin**

Swap (M[c], M[c-1]);

c:=c-1;

**end**;

**end**;

**end**;

write (c)

**End**.