

Сортировка массива по возрастанию через максимальный или минимальный элементы

```
program num1;
const n=10;
var mas:array[1..n] of integer;
    i,k,id,a,temp:integer;
begin
randomize;

for i:=1 to 10 do
    mas[i]:=random(100);

writeln(mas);
for k:=1 to n do begin

    id:=1;
    a:=n;

    for i:=1 to a+1-k do begin
        if mas[i]>mas[id] then
            id:=i;
        end;

        temp:=mas[a+1-k];
        mas[a+1-k]:=mas[id];
        mas[id]:=temp;
    end;
writeln(mas);

end.
```

```
program num1_2;
const n=10;
var mas:array[1..n] of integer;
    i,k,id,a,temp:integer;
begin
randomize;
a:=n;

for i:=1 to n do
    mas[i]:=random(100);

writeln(mas);

for k:=1 to n do begin
    id:=1+k-1;
    for i:=1+k-1 to a do begin
        if mas[i]<mas[id] then
            id:=i;
        end;
        temp:=mas[id];
        mas[id]:=mas[k];
        mas[k]:=temp;
    end;
writeln(mas);

end.
```



```
import random
mas = []
for z in range(0, 10):
    mas.append(random.randint(0, 10))
print(mas)
for i in range(0, 10):
    m = 0
    for k in range(0, 10 - i):
        if mas[k] > mas[m]:
            m = k
    print(m)
    print(mas)
    temp = mas[9 - i]
    mas[9 - i] = mas[m]
    mas[m] = temp
print(mas)
```