

## PRZYKŁAD PROGRAMU

```

program t_array20;
uses crt;
var n, k, maks, x, poz: integer;
t_numbers: array [1..20] of integer;
t_file :text;
begin
    clrscr;
    assign (t_file,'numbers.txt');
    reset (t_file);
    for k:=1 to 20 do readln (t_file, t_numbers[k]);
    close(t_file);
    writeln(' Array before sorting ');
    writeln('-----');
    for k:=1 to 20 do writeln (k, ' ', t_numbers [k]);
    for n:=1 to 20 do
    begin
        maks:= t_numbers [n]; poz:=n;
        for k:=n to 20 do
            if t_numbers [k]<=maks then
            begin
                maks:= t_numbers [k];
                poz:=k;
            end;
        x:= t_numbers [n];
        t_numbers [n]:= t_numbers [poz];
        t_numbers [poz]:=x;
    end;
    writeln('          |ENTER} - continuation ');
    readln; clrscr;
    writeln('Array after sorting');
    writeln('-----');
    writeln;
    for k:=1 to 20 do writeln (k, ' ', t_numbers [k]);
readln;
end.

```

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Read an unknown number of numbers from the text file to the array:

```

assign(p, 'D:\licz.txt');
reset(p);      { p - file of text}
k:=0;
while not eof(p)  {eof = end of file }
do
begin
    k:=k+1;    { counting the quantity of numbers }
    readln(p, x[k]);
end;

close(p);

```