



delphi

project development intermediate delphi course

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Delphi Intermediate Chapter 7:

Selection Sort:

The selection sort differs little to the bubble sort and for this reason this tutorial will only go over an example of the Selection Sort.

The Example:

```
Type
TNames = Array[1..30] of string;

Var //Global
    Names: TNames;
    Cnt: Integer; // Running total of the length of the array

Var //Local
    Inner, Outer : Integer;
    Tamp: String;

For outer:= 1 to cnt -1 do
Begin
    For inner:= outer + 1 to cnt do
    Begin
        If Names[outer] > Names[inner]
        Then Begin
            Temp:= Names[inner];
            Names[inner]:= Names[outer];
            Names[Outer]:= Temp;
        End;
    End;
End;
```

This sign will determine whether the ordering is a ascending or descending.

Notes:

As you can see the process is fairly simple and similar to the bubble sort. Its logic revolves around comparing the data in the first position of the array to the all the other data in that array and swapping its position with another's to slowly order the array either alphabetically or ascending, etc.

Delphi Intermediate Chapter 8:

Standard Search:

On the next tutorial we will cover the first method of searching for a value in an array, the Standard Search. To download the next tutorial: [Click Here!](#)