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Subject: ArrayCtrl sorting

Posted by [michael](#) on Fri, 28 Dec 2007 09:42:39 GMT

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What is the best method to sort an ArrayCtrl?

`array.sort(column)?`

`array.SetSortColumn(int ii, bool descending = false)?`

If i use `array.sort(column)`, how can i set the sort order?

Or is `SetSortColumn` or `ToggleSortColumn(int ii)` the better way to sort an ArrayCtrl?

It would be nice if someone could provide an example how to change the sort order of an ArrayCtrl.

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Subject: Re: ArrayCtrl sorting

Posted by [mirek](#) on Mon, 31 Dec 2007 17:48:02 GMT

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michael wrote on Fri, 28 December 2007 04:42: What is the best method to sort an ArrayCtrl?

`array.sort(column)?`

`array.SetSortColumn(int ii, bool descending = false)?`

If i use `array.sort(column)`, how can i set the sort order?

Or is `SetSortColumn` or `ToggleSortColumn(int ii)` the better way to sort an ArrayCtrl?

It would be nice if someone could provide an example how to change the sort order of an ArrayCtrl.

`SetSortColumn` is more for GUI/user sorting (user clicks on column he wants to sort).

Use `.Sort`. That way you can use "Order" variant to provide more complex sorting predicate (based on all columns).

Mirek

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Subject: Re: ArrayCtrl sorting

Posted by [michael](#) on Mon, 31 Dec 2007 18:35:33 GMT

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Thanks, Mirek.

But i didn't understand how to use Order. Can you please explain this?

Michael

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Subject: Re: ArrayCtrl sorting

Posted by [mirek](#) on Tue, 01 Jan 2008 10:01:18 GMT

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michael wrote on Mon, 31 December 2007 13:35Thanks, Mirek.

But i didn't understand how to use Order. Can you please explain this?

Michael

E.g. like this:

```
struct DatumJmenoOrder : public ArrayCtrl::Order {
    virtual bool operator()(const Vector<Value>& row1, const Vector<Value>& row2) const
    {
        int q;
        q = (Date)row1[0] - (Date)row2[0];
        if(q) return q < 0;
        q = CompareJmeno(row1, row2, 1);
        if(q) return q < 0;
        q = CompareAdresa(row1, row2, 4);
        return q < 0;
    }
};
```

Compares based on 3 rows, with specific comparisons used for two of them...

Mirek

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