Subject: ArrayCtrl sorting
Posted by michael on Fri, 28 Dec 2007 09:42:39 GMT
View Forum Message <> Reply to Message

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.

Subject: Re: ArrayCtrl sorting
Posted by mirek on Mon, 31 Dec 2007 17:48:02 GMT
View Forum Message <> Reply to Message

michael wrote on Fri, 28 December 2007 04:42What 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

Subject: Re: ArrayCtrl sorting
Posted by michael on Mon, 31 Dec 2007 18:35:33 GMT
View Forum Message <> Reply to Message

Thanks, Mirek.

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

Michael

Subject: Re: ArrayCtrl sorting
Posted by mirek on Tue, 01 Jan 2008 10:01:18 GMT
View Forum Message <> Reply to Message

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
