
Subject: ColumnList question (sort column)
Posted by [forlano](#) on Sat, 29 Apr 2006 09:32:38 GMT
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Hello,

I have put my data in a columnlist widget and I would like to see them sorted alphabetically (it does not matter if during the insertion or at the end). The syntax to do it is:

```
Sort(const ValueOrder& order)
```

but I was unable to find an example that shows how to set this argument.

Thank you,
Luigi

Subject: Re: ColumnList question (sort column)
Posted by [fudadmin](#) on Sat, 29 Apr 2006 17:52:28 GMT
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I don't know how much useful for your case but you can try to study `ide/Custom.cpp`:

```
class CustomOrder : public ArrayCtrl::Order {
public:
virtual bool operator()(const Vector<Value>& row1, const Vector<Value>& row2) const {
    for(int i = 0; i < 3; i++)
        if(String(row1[i]) != String(row2[i]))
            return String(row1[i]) < String(row2[i]);
    return false;
}
};
```

and related stuff...

Subject: Re: ColumnList question (sort column)
Posted by [forlano](#) on Sat, 29 Apr 2006 19:41:54 GMT
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fudadmin wrote on Sat, 29 April 2006 19:52 I don't know how much useful for your case but you can try to study `ide/Custom.cpp`:

```
class CustomOrder : public ArrayCtrl::Order {
public:
virtual bool operator()(const Vector<Value>& row1, const Vector<Value>& row2) const {
```

```
for(int i = 0; i < 3; i++)
  if(String(row1[i]) != String(row2[i]))
    return String(row1[i]) < String(row2[i]);
return false;
}
};
```

and related stuff...

Oh my God ...

I guess I'll continue to live with an unsorted columnlist

Subject: Re: ColumnList question (sort column)
Posted by [mirek](#) on Sat, 29 Apr 2006 20:58:35 GMT
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forlano wrote on Sat, 29 April 2006 05:32Hello,

I have put my data in a columnlist widget and I would like to see them sorted alphabetically (it does not matter if during the insertion or at the end). The syntax to do it is:

```
Sort(const ValueOrder& order)
```

but I was unable to find an example that shows how to set this argument.

Thank you,
Luigi

[/code]

```
struct ValueOrder {
  virtual bool operator()(const Value& a, const Value& b) const = 0;
};
```

```
struct StdValueOrder : ValueOrder {
  int language;
```

```
  virtual bool operator()(const Value& a, const Value& b) const;
```

```
  StdValueOrder(int l = -1);
  virtual ~StdValueOrder();
};
```

```
struct FnValueOrder : ValueOrder {
  int (*fn)(const Value& a, const Value& b);
```

```
  virtual bool operator()(const Value& a, const Value& b) const;
```

```
FnValueOrder(int (*fn)(const Value& a, const Value& b));  
virtual ~FnValueOrder();  
};  
[/code]
```

Use "StdValueOrder()" in place of ValueOrder if you expect the "normal" ordering and content of columnlist consists of "Std" values (number, String, Date, Time).

```
list.Sort(StdValueOrder());
```

If you need something special, you can either create comparison function and use FnValueOrder, or you can derive ValueOrder and provide new operator().

Mirek

Subject: Re: ColumnList question (sort column)
Posted by [forlano](#) on Sat, 29 Apr 2006 21:20:26 GMT
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luzr wrote on Sat, 29 April 2006 22:58

```
list.Sort(StdValueOrder());
```

This was enough to let it to work. The other lines were too complicated to understand for the moment... I've not yet learned the chapter about the operator in the Eckel's book .

Thanks,
Luigi