
Subject: How to access other classes variables?

Posted by [michael](#) on Tue, 22 May 2007 19:13:21 GMT

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I have a very basic problem with OOP. I have two classes and i want to access a variable in one class which is defined in the other class.

header.h

```
class1
{
    String a_string;
};
```

```
class2
{
    ..
};
```

class1.cpp

```
#include "header.h"
```

```
class1::class1()
{
    a_string = "TEST";
}
```

class2.cpp

```
#include "header.h"
```

```
class2::class2()
{
    PromptOK(a_string);
}
```

How can i use the value of a_string in class2 which is defined in class1?

It's surely very basic noob stuff, but i didn' get it after reading different tutorials.

Michael

Subject: Re: How to access other classes variables?
Posted by [forlano](#) on Tue, 22 May 2007 21:12:17 GMT
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michael wrote on Tue, 22 May 2007 21:13I have a very basic problem with OOP. I have two classes and i want to access a variable in one class which is defined in the other class.

header.h

```
class1
{
    String a_string;
};
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class2
{
    ..
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```

class1.cpp

```
#include "header.h"
```

```
class1::class1()
{
    a_string = "TEST";
}
```

class2.cpp

```
#include "header.h"
```

```
class2::class2()
{
    PromptOK(a_string);
}
```

How can i use the value of a_string in class2 which is defined in class1?

It's surely very basic noob stuff, but i didn' get it after reading different tutorials.

Michael

Hi,

you have to define an object of class1 somewhere, maybe with global scope,

class1 a;

and then use it, for example a.a_string in class2.

Luigi

Subject: Re: How to access other classes variables?
Posted by [michael](#) on Tue, 22 May 2007 22:37:53 GMT
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Thanks Luigi, this was the perfect hint.

Michael

Subject: Re: How to access other classes variables?
Posted by [michael](#) on Wed, 23 May 2007 05:40:23 GMT
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There is another problem.

I have defined an object of class1 with global scope:

class1 global;

Then i use it in class2 like this:

String a_string = global.datagrid.Get(1);

datagrid is a sqlarrayctrl and a member of class1.

But i can't get any data from the datagrid, a_string is always empty.

Any tips?

Michael

Subject: Re: How to access other classes variables?
Posted by [forlano](#) on Wed, 23 May 2007 07:36:11 GMT
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michael wrote on Wed, 23 May 2007 07:40There is another problem.

I have defined an object of class1 with global scope:

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Then i use it in class2 like this:

```
String a_string = global.datagrid.Get(1);
```

datagrid is a sqlarrayctrl and a member of class1.

But i can't get any data from the datagrid, a_string is always empty.

Any tips?

Michael

I've never used sqlarrayctrl. Anyway, are you sure you have correctly initialized class1 and populated datagrid?

Moreover, I suggest you to post your test package to easily catch the error.

Luigi

Subject: Re: How to access other classes variables?

Posted by [michael](#) on Wed, 23 May 2007 14:03:50 GMT

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After testing for a while it seems that reading data from the datagrid doesn't work because there is no row selected.

Here is what i'm doing:

1.
I start my application, it reads some data from an sql-table and shows them in a sqlarrayctrl which is placed in my first topwindow.
2.
Then i open a editdialog (2nd topwindow) which tries to get the data from datagrid. The result is empty.
3.
I tried to get the selected row by using datagrid.GetCursor to check what going on and the result is -1 which means there is no row selected. This is the reason why there is no data as a result of using datagrid.Get(1) for example.

I think the problem is that i try to get the data after opening a new topwindow (my editdialog).

Anybody additional ideas?

Michael

Subject: Re: How to access other classes variables?

Posted by [mrjt](#) on Wed, 23 May 2007 16:48:51 GMT

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It's pretty difficult to guess whats wrong becuae the there are many ways in which you could have configured the control. However, my best guess is that you are calling the wrong function.

In the simplest case I believe calling `ArrayCtrl::Get(x)` will return the contents of Column x on the current cursor row. If there is no cursor row you will get nothing.

I think you probably want to use either `GetLine(row)`, which returns an array of values from a row, or `Get(row, column)` to get the value of a particular field.

James.

Subject: Re: How to access other classes variables?

Posted by [michael](#) on Wed, 23 May 2007 19:04:38 GMT

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Thanks, mrjt.

Your hint about using `Get(row, column)` works.
