

Forum: [Hack Forums](#)

Thread: [Accessing an object's private integer array.](#)

DeafConn - September 27, 2015, 6:36 am

Hello everyone. So I'm working with a class that has a private member variable that is an integer array of size 4. Here is the code for it:

<http://pastebin.com/i9u5DtUi> - MoveRate.h

<http://pastebin.com/q1xd61VQ> - MoveRate.cpp

Now if one looks at the code they can execute the following snippets:

PHP Code

```
<?php
```

```
//The declaration of the object in the private field of a header
```

```
private:
```

```
MoveRate m_moveRate;
```

```
//A getter to access the private object
```

```
MoveRate DirectionSim::getMoveRate(){
```

```
    return m_moveRate;
```

```
}
```

```
//Finally, a snippet to actually modify the private integer array.
```

```
getMoveRate().setAMoveRate(2, 0);
```

```
cout << "COMP: " << getMoveRate().getAMoveRate()[0] << endl;
```

Now, looking at the MoveRate.cpp, I have placed debug code in the setter for the A array. Running this program should give the following output:

```
Code VAL: 2 ACT: 2
```

```
COMP: 2
```

```
Instead, I get this:
```

```
Code VAL: 2 ACT: 2
```

```
COMP: 473122
```

Can anyone explain this behavior? Thanks.

bbbysmth - September 27, 2015, 7:18 am

You release that you have to create the object and save the instance in a variable to access it later right?

DeafConn - September 27, 2015, 7:24 am

(Sep 27, 2015 07:18 AM)bbbysmth Wrote: [\[CITE\]](#) You release that you have to create the object and save the instance in a variable to access it later right?

The object created was m_MoveRate. It is stored in the variable m_MoveRateA inside of the m_MoveRate object.

I managed to fix the error. for anyone else looking for the solution, you need to make the array dynamic instead.

so in the constructor do:

```
Code m_moveRateA = new int[ARRAY_SIZE];
```

