Subject: Why is Vector<double> vdS empty after a call?
Posted by $mike{is_here} on Sun, 01 Jul 2007 18:07:07 GMT
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Hi,

Earlier this week I came accross Ultimate: it's a wonderful program in all its facets. My thanks to the developpers

Unfortunately I need a little help with some of its mighty basics. I tried some code, which shall process a list of <double>s, e.g. calculate its sum (yes, I'm from Perl). What amazes me is this: it looks like Vector<double> vdS is truncated after calling sum(). It looks like a single call to vdx. inside sum() is sufficient to do so. I.e. a 2nd call of "s = sum(vdS);" will result in a runtime error.

```
#include <Core/Core.h>
#include <iostream>

using namespace Upp;

double sum(Vector<double> vdx)
{
 double dSum = 0.0;
 for(int i = 0; i < vdx.GetCount(); i++) {
  dSum += vdx[i];
 }
 return dSum;
}

CONSOLE_APP_MAIN
{
 double s = 0.;
 Vector<double> vdS;
 int b, a;

 vdS.Clear(); vdS.Add(-1); vdS.Add(2); vdS.Add(-5);
 b = vdS.GetCount();
 s = sum(vdS);
 a = vdS.GetCount();

 std::cout << "before: " << b << ", after: " << a << std::endl;
 // results in "before: 3, after: -1"
}
```

What am I missing? Can this be a matter of settings (I run MINGW Optimal with XP)? Can it be that double isn't moveable? What is better, i.e. more appropriate to do? And is there a shorthand to initialize vdS?

Thank you all in advance.

Kind regards,
Micha

Subject: Re: Why is Vector<double> vdS empty after a call?
Posted by mirek on Sun, 01 Jul 2007 18:11:02 GMT
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http://www.ultimatepp.org/srcdoc$Core$pick_$en-us.html
http://www.ultimatepp.org/srcdoc$Core$PickTypes$en-us.html

double sum(const Vector<double>& vdx)
{

Mirek

Subject: Re: Why is Vector<double> vdS empty after a call?
Posted by $mike{is_here} on Sun, 01 Jul 2007 18:15:49 GMT
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Hi Mirek,

Thank you for your prompt reply.

Micha
