
Subject: display approximation...

Posted by [idkfa46](#) on Thu, 15 Mar 2012 09:19:35 GMT

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Hallo guys,

I'm here with a new question about DropDownList!

Here the incriminate code:

```
dl = DropDownList
value = EditDouble

void DLprove::compute()
{
// DropDownList elements...
dl.Clear();
for(int i=1; i<=value; ++i)
{
double k= value/i;
if ( k > 5 && k < 45 )
{
dl.Add(k);
}
}
// SetIndex the nearest element to "17"
int idx = -1;
double mind = 1e9;
for(int i = 0; i < dl.GetCount(); i++)
{
double d = fabs((double)dl.GetValue(i) - 17);
if(d < mind)
{
mind = d;
idx = i;
}
}
if(idx >= 0)
dl.SetIndex(idx);
}
```

How can be possible to display the dropdown with an approximation without converting double to string ?

I tryed setting

```
String s = Format("%.02f", k);
```

but i have a issue looking for the nearest value to 17...

If "string" is the only solution to display approximate values, how can be possible to convert back string to double before

```
double d = fabs((double)dl.GetValue(i) - 17);
```

At the moment application with String compile correctly but applicazion gonna crash.

Here the fatal error:

"Assertion failed in c:\upp\uppscr\core\Value.h, line 474

Invalid value conversion: class Upp::RichValueRep <class Upp::String> -> double

Regards,
Matteo

Subject: Re: display approximation...

Posted by [koldo](#) on Thu, 15 Mar 2012 09:46:10 GMT

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Hello Matteo

About the last question, the function is StrDbl().

Subject: Re: display approximation...

Posted by [idkfa46](#) on Thu, 15 Mar 2012 10:48:54 GMT

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I tried with

```
double StrDbl(const char* s);
```

without any result...

Sure i'm using it in the wrong way

Subject: Re: display approximation...

Posted by [koldo](#) on Thu, 15 Mar 2012 13:10:39 GMT

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Hello idkfa46

What do you mean with "without any result...".

Could you detail it?

Subject: Re: display approximation...

Posted by [idkfa46](#) on Thu, 15 Mar 2012 13:56:05 GMT

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```
...
dl.Clear();
for(int i=1; i<=value; ++i)
{
    double k= value/i;
    if ( k > 5 && k < 45 )
    {
        String s = Format("%.02f", k); // convert to string
        //double StrDbl(const char *s);// back to double
        dl.Add(s);
    }
}
...
```

I can't find the right way to convert string to double before adding elements to DropDownList. How i have to set StrDbl ?!

there are no way to leave them like double and just Display approximate value ?!

Subject: Re: display approximation...

Posted by [fudadmin](#) on Thu, 15 Mar 2012 14:15:46 GMT

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What about ScanDouble(..)?

Subject: Re: display approximation...

Posted by [idkfa46](#) on Thu, 15 Mar 2012 14:43:56 GMT

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Yessss....

```
double n = ScanDouble(s);  
working
```

thanks

Subject: Re: display approximation...

Posted by [koldo](#) on Thu, 15 Mar 2012 14:57:39 GMT

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Or:

```
double n = StrDb1(s);
```

Subject: Re: display approximation...

Posted by [omari](#) on Fri, 16 Mar 2012 11:31:11 GMT

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Hello ,

you can try that:

```
use dl.Add(key, value);
```

```
dl.Clear();  
for(int i=1; i<=value; ++i)  
{  
    double k= value/i;  
    if ( k > 5 && k < 45 )  
    {  
        String s = Format("%.02f", k); // convert to string  
        //double StrDb1(const char *s);// back to double  
        dl.Add(k, s);  
    }  
}
```

then to get the DropDownList value: use GetKey()

```
double d = fabs((double)dl.GetKey(i) - 17);
```
