

Ghost, here's a softball for ya.

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*Source:* <http://sci.tech-archive.net/Archive/sci.physics/2007-06/msg00740.html>

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Here's a softball for ya Ghost...

```
#include <StdIO.H>
typedef wchar_t * LnP ;
#define Str swprintf

#define LoopTil( StopCond ) Ch = 1, P -- ; \
while ( \
Ch \
&& !( Ch = * ++ P, Ch2 = ! Ch ? 0 : P [ 1 ], StopCond ) )

// Shows the first three significant figures
// with or without a comma and/or a dot.
// Removes extraneous zeros on the left or right.
LnP Prn( float X ) { static int I ; static wchar_t B_[ 9 ][ 20 ];
LnP B = B_[ I ++ , I % 9 ];
Str( B, L"% .3f", X ); if ( * B == '0' ) B ++ ;
LnP P = B ; wchar_t Ch, Ch2 ; int FromLeft = 0, Found_Dot = 0 ;
LoopTil( FromLeft >= 3 && Found_Dot ) {
int Dot = Ch == '.' ; Found_Dot |= Dot ;
if ( ! Dot ) FromLeft ++ ; }

main() { LnP P ; // Single Step in Debugger to see results.
P = Prn( 0 ) ; // . <-- I prefer this over " 0 " .
P = Prn( .0055 ) ; // .006 ideally, this'd print " 5.5 milli "
P = Prn( 1.1 ) ; // 1.1
P = Prn( 10 ) ; // 10
P = Prn( 21.1 ) ; // 21.1
P = Prn( 3000 ) ; // 3,000 ideally, this'd print " 3 kilo "
P = Prn( 4000.6789 ) ; // 4,000 ideally, this'd print " 4 kilo "
}
```

Prn() is used to produce reports like  
X's list of the " Richest/Poorest Players ", to wit:  
" www.Cotse.NET/users/jeffrelf/Phy\_R.TXT " .

Speaking of which, I recently changed the scoring to:  
" Virtual\_Cash / Post / Day " instead of " Virtual\_Cash / Post " .

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When scoring, multiple crossposts count as multiple posts  
and the Age of a player's set of posts is never less than 1.

Some of X's QuickSorts compare multiple floating point fields, to wit:  
" float Cmp() " in " www.Cotse.NET/users/jeffrelf/X.CPP ".

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