Subject: IdeCalc -- ERROR: void.sin(): (0,15): 'sin' is not a lambda
Posted by deep on Thu, 05 Jan 2017 13:16:43 GMT
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Hi,

Trying to use IDE Calculator function.

When I use IDE Calculator in IDE. (Ctrl+e) I get following result.

$A=100
100 0x64 "d"
$B=32.5
32.5
$A+B*(32-56/2)
230 0xe6 "æ"
$C=A+B*sin(3.0)
104.5864

But when I use same code from uppsrc/ide/Calc.cpp in my program I get following result.
It gives ERROR: void.sin(): (0,15): 'sin' is not a lambda for sin() function.

A=100 -- Result -- 100
B=32.5 -- Result -- 32.5
A+B*(32-56/2) -- Result -- 230
C=A+B*sin(3.0) -- Result -- ERROR: void.sin(): (0,15): 'sin' is not a lambda

Code used, ESC Package to be added to Package
What changes in code required to process trigonometric functions correctly. Is working code
This is code taken from uppsrc/ide/Calc.cpp

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

using namespace Upp;

ArrayMap<String, EscValue> vars;

ArrayMap<String, EscValue>& UscGlobal()
{
 static ArrayMap<String, EscValue> global;
 return global;
}

void Calc(String exp)
{
 String txt;
 try {
```

```
  ArrayMap<String, EscValue>& g = UscGlobal();
  for(int i = 0; i < g.GetCount(); i++)
   vars.GetAdd(g.GetKey(i)) = g[i];
  if(IsNull(exp))
   return;
  EscValue v = Evaluatex(exp, vars);
  txt = v.ToString();
  vars.GetAdd("_") = v;
 }
 catch(CParser::Error e) {
  const char *x = strchr(e, ':');
  txt << "ERROR: " << (x ? x + 1 : ~e);
 }
 LOG(exp << " -- Result -- " << txt);

}

CONSOLE_APP_MAIN
{
        StdLib(UscGlobal());
 String s = "A=100";
 Calc(s);
 s = "B=32.5";
 Calc(s);
 s = "A+B*(32-56/2)";
 Calc(s);
 s = "C=A+B*sin(3.0)",
 Calc( s );
}
```

WIN10 - visual studio 14.0 - 64 bit.
IDE is compiled from source. Ver 10553
