

FileViewProjectBuildDebugTestAnalyzeToolsExtensionsWindowHelp

Search (Ctrl+Q)

Project_4

Local Windows Debugger

Debugx86

Lab_4.cpp

Project_4

(Global Scope)

main()

142

143

144

145

146

147

148

149

150

151

152

```
if (xValue[idx] < 0)
    std::cout << "+" << xValue[idx] << " ";
else
    std::cout << "-" << xValue[idx] << " ";
}
std::cout << "]/[";
for (int idx = 0; idx < n; idx++) {
    if (idx != index) {
        if (xValue[idx] < 0)
            std::cout << "(" << xValue[index] << "+" << xValue[idx] << " ";
```

Microsoft Visual Studio Debug Console

Please enter the file name of the data you would like to use: data.txt

DATA POINTS
X: 1 1.5 0 2
Y: 3 3.25 3 1.67

DIVIDED DIFFERENCE TABLE
f[]f[,]f[,]f[,,
3
3.250.5
30.1666670.333333
1.67-0.665-1.66333-1.99667

SIMPLIFIED FORM: (-1.99667)(x^3)+(0.333333)(x^2)+(0.5)(x^1)+(3)

NEWTON FORM: (3)+(0.5)(X-1)+(0.333333)(X-1.5)(X-1)+(-1.99667)(X-0)(X-1.5)(X-1)

LAGRANGE FORM: y = (3)/((X-1.5)(X-0)(X-2))/((1-1.5)(1-0)(1-2)) + (0.5)/((X-1)(X-0)(X-2))/((1.5-1)(1.5-0)(1.5-2)) + (0.333333)/((X-1)(X-1.5)(X-2))/((0-1)(0-1.5)(0-2)) + (-1.99667)/((X-1)(X-1.5)(X-0))/((2-1)(2-1.5)(2-0))

E:\School\CalPoly Pomona\Classes\CS_3010\Programming Assignment #4 DUE DEC 6\Project_4\Debug\Project_4.exe (process 14112) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .

Show output from: Debug

'Project_4.exe' (Win32): Loaded 'C:\Windows\SysWOW64\kernel.appcore.dll'.
'Project_4.exe' (Win32): Loaded 'C:\Windows\SysWOW64\msvcrt.dll'.
'Project_4.exe' (Win32): Loaded 'C:\Windows\SysWOW64\rpcrt4.dll'.
The thread 0x47ec has exited with code 0 (0x0).
The thread 0x42f8 has exited with code 0 (0x0).
The program '[14112] Project_4.exe' has exited with code 0 (0x0).

Error ListOutput

Solution Explorer

Project_4

References

External D

Header File

Resource F

Source File

Lab_4.c

Ready

Add to Source Control

7:23 PM
12/5/2021

