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// sample7_2_1.cpp : メイン プロジェクト ファイルです。
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#include "stdafx.h"
#include <iostream>

using namespace System;
using namespace std;

class base {
    double mean, sd;

public:
    void setMeanSD( double m, double s ){
        mean = m;
        sd = s;
        return;
    }
    double getStdScore( double x ){
        return (x - mean) / sd;
    }
};

class child: public base {
public:
    double getDevScore( double x ){
        double z = getStdScore( x );
        return 10.0 * z + 50.0;
    }
};

int main(array<System::String ^> ^args)
{
    child Scale;
    double vMean, vSD;
    cout << "mean = ";
    cin >> vMean;
    cout << "sd = ";
    cin >> vSD;
    cout << "Score = ";
    double score;
    cin >> score;
    Scale.setMeanSD( vMean, vSD );
    double stdScore = Scale.getStdScore( score );
    double devScore = Scale.getDevScore( score );
    cout << "StdScore = " << stdScore << endl;
    cout << "DevScore = " << devScore << endl;

    Console::WriteLine();
    Console::WriteLine("Enterキーを押して終了。");
    Console::ReadLine();
    return 0;
}
```