Conversion/Division Program Code

C#

By: Omar Wilson

using System;

namespace ConversionDivisionApp

{

class Program

{

static void Main(string[] args)

{

try

{

Console.WriteLine("Enter the first number:");

string input1 = Console.ReadLine();

Console.WriteLine("Enter the second number:");

string input2 = Console.ReadLine();

int result = Divide(input1, input2);

Console.WriteLine($"The result of the division is: {result}");

}

catch (Exception ex)

{

Console.WriteLine($"An unexpected error occurred: {ex.Message}");

}

finally

{

Console.WriteLine("Program finished. Press any key to exit.");

Console.ReadKey();

}

}

static int Divide(string num1, string num2)

{

try

{

int number1 = Convert.ToInt32(num1);

int number2 = Convert.ToInt32(num2);

return number1 / number2;

}

catch (FormatException)

{

Console.WriteLine("Error: Invalid input format. Please enter valid integers.");

return 0;

}

catch (DivideByZeroException)

{

Console.WriteLine("Error: Cannot divide by zero.");

return 0;

}

catch (OverflowException)

{

Console.WriteLine("Error: The number is too large for Int32");

return 0;

}

catch (Exception ex)

{

Console.WriteLine($"An unexpected error occurred: {ex.Message}");

return 0;

}

}

}

}