Lab14\_1A

using System;

using static System.Console;

using System.IO;

namespace Lab14\_1A

{

/\*

\* Adam Gaddis

\* this program checks a .txt file, and does a factorial for each line within the .txt file

\* \*/

class Program

{

static void Main(string[] args)

{

// Variable Declaration

int i, fact = 1, number;

// Only run code if we find the file

if (File.Exists("Lab14A.txt"))

{

// Create the file and add to file reader

FileStream infile = new FileStream("Lab14A.txt", FileMode.Open, FileAccess.Read);

StreamReader reader = new StreamReader(infile);

for (i = 1; i <= 5; i++)

{

number = Convert.ToInt32(reader.ReadLine());

fact = 1;

for(int j = 1; j <= number; j++)

{

fact = fact \* j;

}

WriteLine("the factorial of " + number + "is: " + fact);

}

// Close File Stream and Stream Reader

reader.Close();

infile.Close();

}

else

{

WriteLine("File was not found");

}

}

}

}