

Lab 04 (Homework) - Currency Keyboard Input

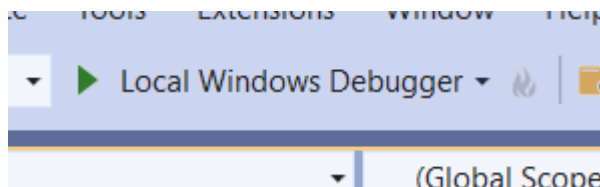
20127166 - Nguyễn Huy Hoàn

1. How to compile and run your project

- Open the source, double click to file .sln

Name	Date modified	type
FractionDisplay	10/23/2021 3:58 PM	File folder
Release	10/23/2021 3:58 PM	File folder
FractionDisplay.sln	10/22/2021 10:05 PM	Visual Studio Solution

- At that file, click on Local Window Debugger



• You can see the result on the

console

```
the size randomed is: 22
Fraction print:
1/15 1/4 1/35 4/9 1/43 11/10 15/14 3/5 1/45 1/46 1/10 3/4 9 1/35 12 2/11 14 1/29 1/33 1/40 2/11 3/5
Fraction print in percentage:
6.67% 50% 2.86% 44.4% 2.33% 110% 107% 60% 2.22% 2.17% 10% 75% 300% 2.86% 1.2e+03% 18.2% 700% 3.45% 3.03% 2.5% 18.2% 60%
Fraction print with Decimal 2:
0.07 0.5 0.03 0.4 0.02 1 1 0.6 0.02 0.02 0.1 0.8 3 0.03 1e+01 0.2 7 0.03 0.03 0.03 0.2 0.6
```

2. My Information

- Student ID: 20127166
- Name : Nguyễn Huy Hoàn

3. List of what I have done?

```
class RandomIntegerGenerator
{
public:
    RandomIntegerGenerator();
    long long next(long long left, long long right);
};

class string_star
{
public:
    static string reverseStr(string& str);
    char do_thousands_sep() const
    {
        return '.';
    }
}
```

```

    string do_grouping() const
    {
        return "\\3";
    }
};

class IntegerToThousandSeparatedUIConverter {
private:
    string _thousandSeparator = ".";
public:
    bool isValidFormat(string s);
    static string convert(int value);
    tuple<bool, int, string, int> convertBack(string s);
};

class IntegerToCurrencyUIConverter {
public:
    bool isValidFormat(string s);
    static string convert(int value);
    tuple<bool, int, string, int> convertBack(string s);
};

```

4. List of what I haven't done?

- nothing

5. Expected grade : 9.0