Python – Fractional

Purpose

This lab was designed to teach you how to read data from a user, process that data and output it.

Description

Write a program that accepts a number as an input and prints just the decimal portion. It's permissible for your answers to be slightly off due to round off error. Rounding errors occur in computers because some real numbers cannot be represented in a finite amount of memory (think irrational numbers like 1/3 but expressed in binary). Be sure to *import math* at the top of your program to invoke the fabs function.

print(math.fabs(-7)) displays 7.0
print(int(7.9)) displays 7
print(3.4 // 1) displays 3.0

Program Shell

Create a file called fractional.py

Sample Execution

```
Enter a number: -5.6
0.5999999999999996

Enter a number: .6
0.6

Enter a number: 15.3333
0.3332999999999995

Enter a number: 17.25
0.25
```