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| --- | --- | --- | --- | --- | --- |
| LEARNING PROFILE FOR LengthConverter | | | | | |
| *Name* | *:* | *Tyler Lucas* | *Due Date* | *:* | *N/A* |
| *Student ID* | *:* | *3305203* | *Submission Date* | *:* | *N/A* |

# Problem Statement

Textbook example program.

# Description of the Code

This program will convert measurements expressed in inches, feet, yards, miles, metres, or kilometres into each of the possible units of measure. The measurement is input by the user, followed by the unit of measure. The measurement is input by the user, followed by the unit of measure. For example: "17 feet", "1 inch", or "2.73 mi". Abbreviations "in", "ft", "yd", and "mi" are accepted. The program will continue to read and convert measurements until the user enters an input of 0.

# Errors and Warnings

Version 1.0

No errors.

Version 1.1

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **Errors / Warnings** | **Details** | **How I solved them** |
| 1 | Exception in thread "main" java.lang.RuntimeException: Uncompilable source code - cannot find symbol | I had used NetBeans’ automatic feature of adding a filled-out catch to my try block, and didn’t realize that it needed several more class headers. | Again, with NetBeans’ automatic feature, I added java.io.FileNotFoundException, java.util.logging.Level, and java.util.logging.Logger. |
|  |  |  |  |

# Sample Input and Output

Enter measurements in inches, feet, yards, miles, meters, or kilometers.

You can use abbreviations: in, ft, yd, mi, km. Plurality is also allowed.

For example: 1 inch

48 inches

6 in

17 feet

23 ft

0.4 miles

2.73 mi

3.1 kilometers

1 kilometre

2 km

I will convert your input into the other units of measure.

Enter your measurement, or 0 to end: 100 ft

That's equivalent to:

1200.0 inches

100.00 feet

33.333 yards

30.480 meters

0.018939 miles

0.030480 kilometers

Enter your measurement, or 0 to end: 1000 ft

That's equivalent to:

12000 inches

1000.0 feet

333.33 yards

304.80 meters

0.18939 miles

0.30480 kilometers

Enter your measurement, or 0 to end: 0.3333 mi

That's equivalent to:

21118 inches

1759.8 feet

586.61 yards

536.39 meters

0.33330 miles

0.53639 kilometers

Enter your measurement, or 0 to end: 1760 ft

That's equivalent to:

21120 inches

1760.0 feet

586.67 yards

536.45 meters

0.33333 miles

0.53645 kilometers

Enter your measurement, or 0 to end: 1.6 km

That's equivalent to:

62992 inches

5249.3 feet

1749.8 yards

1600.0 meters

0.99419 miles

1.6000 kilometers

Enter your measurement, or 0 to end: 1.61 km

That's equivalent to:

63386 inches

5282.2 feet

1760.7 yards

1610.0 meters

1.0004 miles

1.6100 kilometers

Enter your measurement, or 0 to end: 50/2 mi

Sorry, but I don't understand "/2".

Enter your measurement, or 0 to end: 1001

? h

Sorry, but I don't understand "h".

Enter your measurement, or 0 to end: 1001 dalmations

Sorry, but I don't understand "dalmations".

Enter your measurement, or 0 to end: 1001 in

That's equivalent to:

1001.0 inches

83.417 feet

27.806 yards

25.425 meters

0.015799 miles

0.025425 kilometers

Enter your measurement, or 0 to end: 0

Okay! Bye for now.

# Discussion

Interesting.