

In-Class Worksheet # 1

Name: _____

CSE 231

Name: _____

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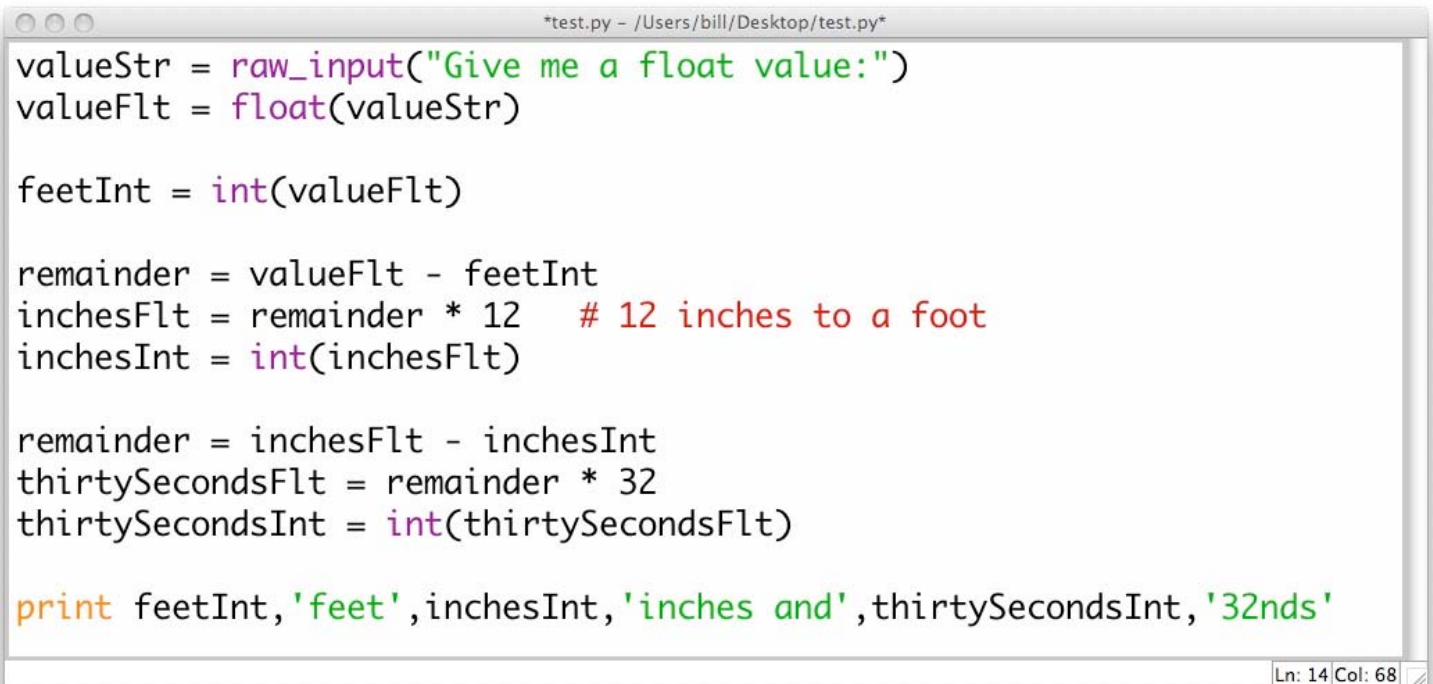
You are working on a woodworking project but the darn instructions use metric and all the measurements use floating point values for your measures. That's no good, you have to do measurements in good ole English units.

Write a program that prompts the user for a floating point value representing feet (such as 12.67 feet) and turns it into feet, inches and 32nds (which is about as small as you can get on a ruler). For example:

12.5 => 12 feet, 6 inches and 0 32nds

12.6667 => 12 feet, 8 inches and 0 32nds

12.86 => 12 feet, 10 inches and 10 32nds

A screenshot of a Python script in a text editor window. The window title is "*test.py - /Users/bill/Desktop/test.py*". The code is as follows:

```
valueStr = raw_input("Give me a float value:")
valueFlt = float(valueStr)

feetInt = int(valueFlt)

remainder = valueFlt - feetInt
inchesFlt = remainder * 12 # 12 inches to a foot
inchesInt = int(inchesFlt)

remainder = inchesFlt - inchesInt
thirtySecondsFlt = remainder * 32
thirtySecondsInt = int(thirtySecondsFlt)

print feetInt, 'feet', inchesInt, 'inches and', thirtySecondsInt, '32nds'
```

The status bar at the bottom right shows "Ln: 14 Col: 68".