

IT 210 – Fundamentals of Programming – Lab 1

This is your first Python program for this class. Start by typing in the following simple program (including the comments). You can use either Spyder or SciTE to create and edit this program. If you use Spyder, edit your program in the window on the left. You can safely remove the lines that the editor provides by default. When you run it, you will interact with it in the window on the lower right.

```
# Your name

# First programming assignment - convert pounds to other units of weight

# Get input in pounds
# Note that the input function always give a string
lbsStr = input("Enter the number of pounds: ")
lbs = float(lbsStr) # Convert the string to a float

# compute other units of weight
ozs = lbs * 16
tons = lbs / 2000.

# output the results of the calculation
print() # Prints a blank line
print(lbs, "pounds is the same as:")
print(ozs, "ounces")
print(tons, "tons")
```

our program will be named **Lab01.py**.

Test your program. Add Python code to this program to also show the weight in stones and kilograms. You will submit the **Lab01.py** file to the **D2L drop box**. This drop box will **close at 1 minute before midnight tonight**. Most students should be able to finish this assignment in class.

Two sample runs of the program with the specified changes are shown below. Misspelled words in the user interface are UGLY.

Enter the number of pounds: **2000**

2000.0 pounds is the same as:
32000.0 ounces
1.0 tons
142.85719999999998 stones
907.184 kilograms

Enter the number of pounds: **3.5**

3.5 pounds is the same as:
56.0 ounces
0.00175 tons
0.2500001 stones
1.587572 kilograms