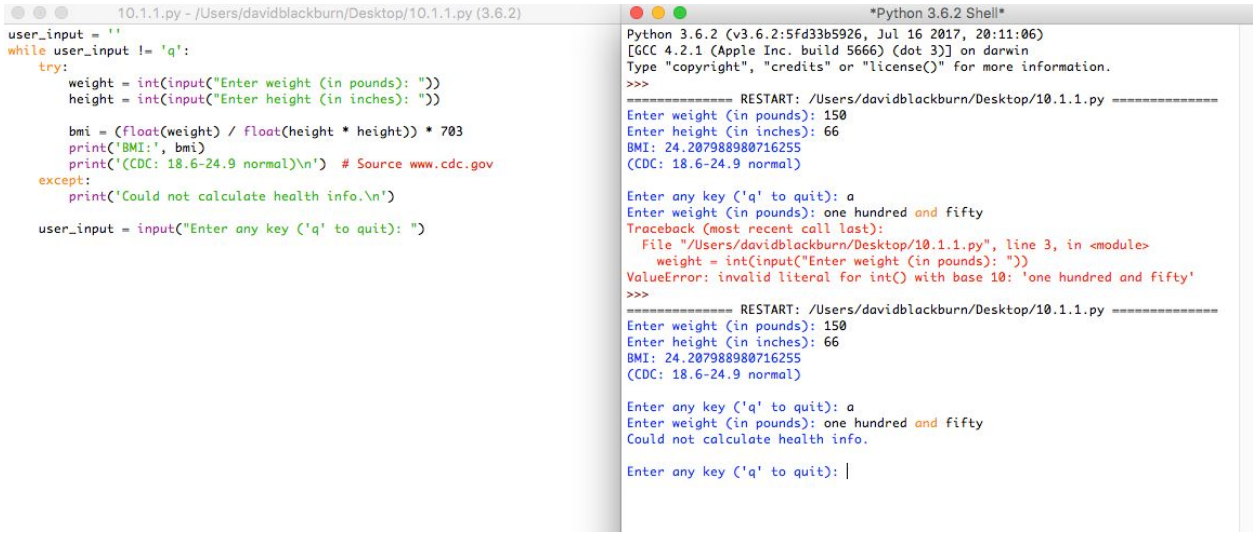
Below is the working code and the output from figure 10.1.1



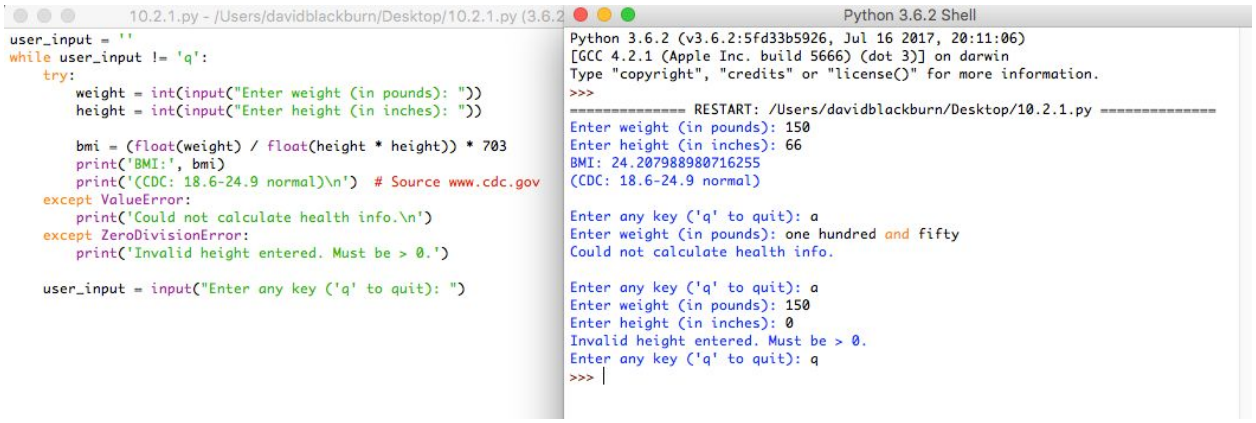
```
10.1.1.py - /Users/davidblackburn/Desktop/10.1.1.py (3.6.2)
```

```
user_input = ''
while user_input != 'q':
    try:
        weight = int(input("Enter weight (in pounds): "))
        height = int(input("Enter height (in inches): "))

        bmi = (float(weight) / float(height * height)) * 703
        print('BMI:', bmi)
        print('(CDC: 18.6-24.9 normal)\n')  # Source www.cdc.gov
    except:
        print('Could not calculate health info.\n')

    user_input = input("Enter any key ('q' to quit): ")
```

```
*Python 3.6.2 Shell*
```

```
Python 3.6.2 (v3.6.2:5fd33b5926, Jul 16 2017, 20:11:06)
[GCC 4.2.1 (Apple Inc. build 5666) (dot 3)] on darwin
Type "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: /Users/davidblackburn/Desktop/10.1.1.py ==========
Enter weight (in pounds): 150
Enter height (in inches): 66
BMI: 24.207988980716255
(CDC: 18.6-24.9 normal)

Enter any key ('q' to quit): a
Enter weight (in pounds): one hundred and fifty
Traceback (most recent call last):
  File "/Users/davidblackburn/Desktop/10.1.1.py", line 3, in <module>
    weight = int(input("Enter weight (in pounds): "))
ValueError: invalid literal for int() with base 10: 'one hundred and fifty'
>>>
========== RESTART: /Users/davidblackburn/Desktop/10.1.1.py ==========
Enter weight (in pounds): 150
Enter height (in inches): 66
BMI: 24.207988980716255
(CDC: 18.6-24.9 normal)

Enter any key ('q' to quit): a
Enter weight (in pounds): one hundred and fifty
Could not calculate health info.

Enter any key ('q' to quit):
```

Below is the working code and the output from figure 10.2.1



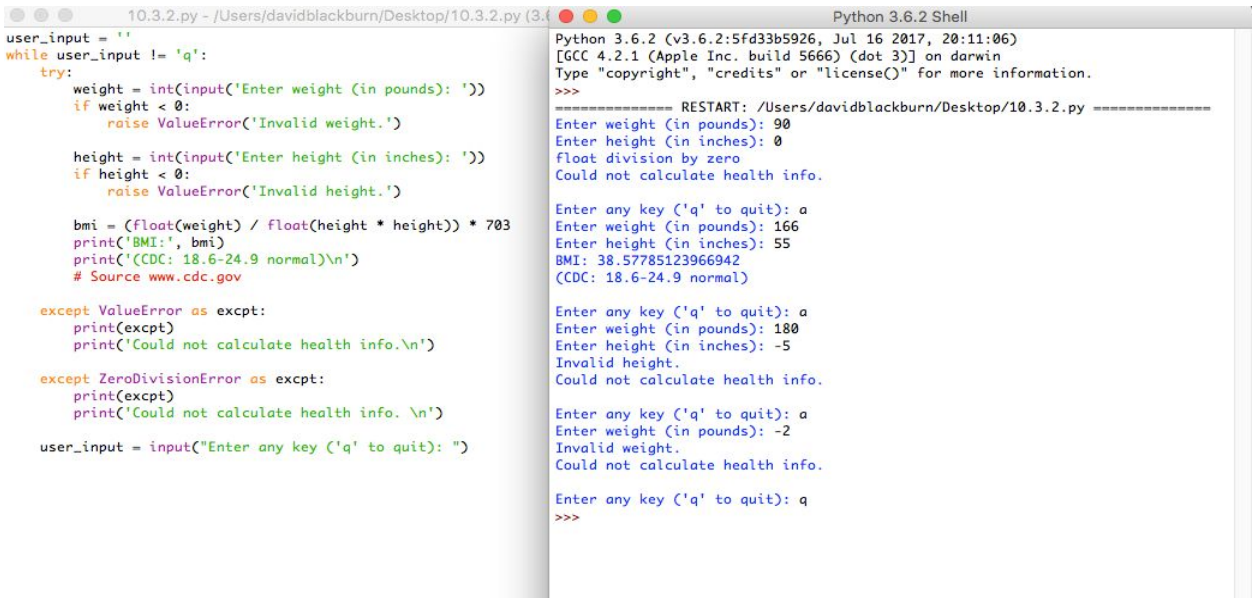
```
10.2.1.py - /Users/davidblackburn/Desktop/10.2.1.py (3.6.2
```

```
user_input = ''
while user_input != 'q':
    try:
        weight = int(input("Enter weight (in pounds): "))
        height = int(input("Enter height (in inches): "))

        bmi = (float(weight) / float(height * height)) * 703
        print('BMI:', bmi)
        print('(CDC: 18.6-24.9 normal)\n')  # Source www.cdc.gov
    except ValueError:
        print('Could not calculate health info.\n')
    except ZeroDivisionError:
        print('Invalid height entered. Must be > 0.')

    user_input = input("Enter any key ('q' to quit): ")
```

```
Python 3.6.2 Shell
```

```
Python 3.6.2 (v3.6.2:5fd33b5926, Jul 16 2017, 20:11:06)
[GCC 4.2.1 (Apple Inc. build 5666) (dot 3)] on darwin
Type "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: /Users/davidblackburn/Desktop/10.2.1.py ==========
Enter weight (in pounds): 150
Enter height (in inches): 66
BMI: 24.207988980716255
(CDC: 18.6-24.9 normal)

Enter any key ('q' to quit): a
Enter weight (in pounds): one hundred and fifty
Could not calculate health info.

Enter any key ('q' to quit): a
Enter weight (in pounds): 150
Enter height (in inches): 0
Invalid height entered. Must be > 0.
Enter any key ('q' to quit): q
>>>
```

Below is the working code and output from figure 10.3.2



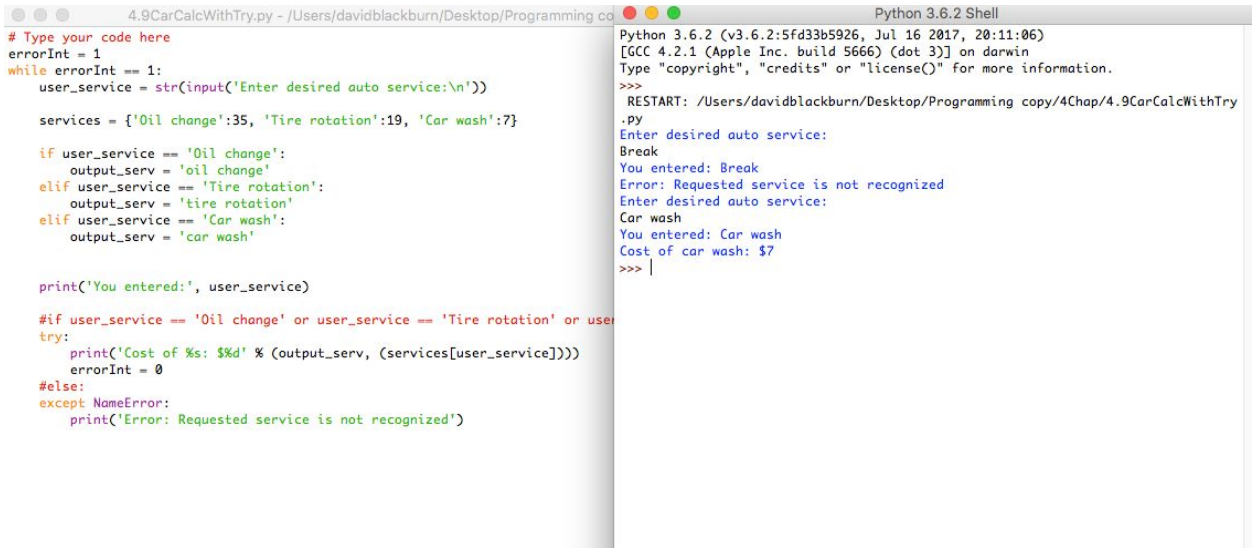
```
10.3.2.py - /Users/davidblackburn/Desktop/10.3.2.py (3.6
```

```
user_input = ''
while user_input != 'q':
    try:
        weight = int(input('Enter weight (in pounds): '))
        if weight < 0:
            raise ValueError('Invalid weight.')

        height = int(input('Enter height (in inches): '))
        if height < 0:
            raise ValueError('Invalid height.')

        bmi = (float(weight) / float(height * height)) * 703
        print('BMI:', bmi)
        print('(CDC: 18.6-24.9 normal)\n')
        # Source www.cdc.gov

    except ValueError as excpt:
        print(excpt)
        print('Could not calculate health info.\n')

    except ZeroDivisionError as excpt:
        print(excpt)
        print('Could not calculate health info. \n')

    user_input = input("Enter any key ('q' to quit): ")
```

```
Python 3.6.2 Shell
```

```
Python 3.6.2 (v3.6.2:5fd33b5926, Jul 16 2017, 20:11:06)
[GCC 4.2.1 (Apple Inc. build 5666) (dot 3)] on darwin
Type "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: /Users/davidblackburn/Desktop/10.3.2.py ==========
Enter weight (in pounds): 90
Enter height (in inches): 0
float division by zero
Could not calculate health info.

Enter any key ('q' to quit): a
Enter weight (in pounds): 166
Enter height (in inches): 55
BMI: 38.57785123966942
(CDC: 18.6-24.9 normal)

Enter any key ('q' to quit): a
Enter weight (in pounds): 180
Enter height (in inches): -5
Invalid height.
Could not calculate health info.

Enter any key ('q' to quit): a
Enter weight (in pounds): -2
Invalid weight.
Could not calculate health info.

Enter any key ('q' to quit): q
>>>
```

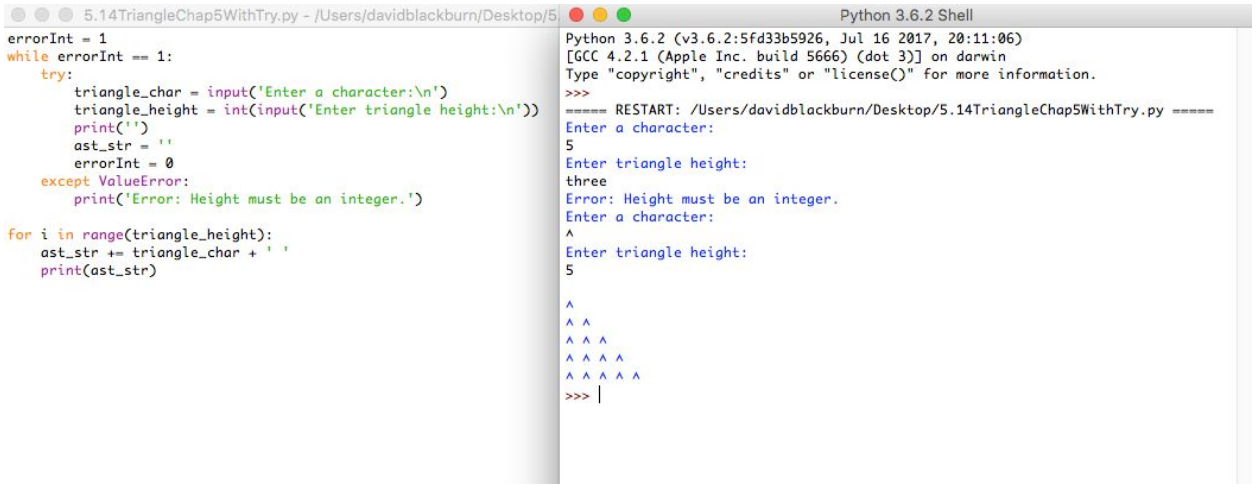
Below is the revised code from 4.9 with a try block integrated.



```
# Type your code here
errorInt = 1
while errorInt == 1:
    user_service = str(input('Enter desired auto service:\n'))

    services = {'Oil change':35, 'Tire rotation':19, 'Car wash':7}

    if user_service == 'Oil change':
        output_serv = 'oil change'
    elif user_service == 'Tire rotation':
        output_serv = 'tire rotation'
    elif user_service == 'Car wash':
        output_serv = 'car wash'


    print('You entered:', user_service)

    #if user_service == 'Oil change' or user_service == 'Tire rotation' or user
    try:
        print('Cost of %s: $%d' % (output_serv, (services[user_service])))
        errorInt = 0
    #else:
    except NameError:
        print('Error: Requested service is not recognized')
```

```
Python 3.6.2 (v3.6.2:5fd33b5926, Jul 16 2017, 20:11:06)
[GCC 4.2.1 (Apple Inc. build 5666) (dot 3)] on darwin
Type "copyright", "credits" or "license()" for more information.
>>>
 RESTART: /Users/davidblackburn/Desktop/Programming copy/4Chap/4.9CarCalcWithTry
.py
Enter desired auto service:
Break
You entered: Break
Error: Requested service is not recognized
Enter desired auto service:
Car wash
You entered: Car wash
Cost of car wash: $7
>>>
```

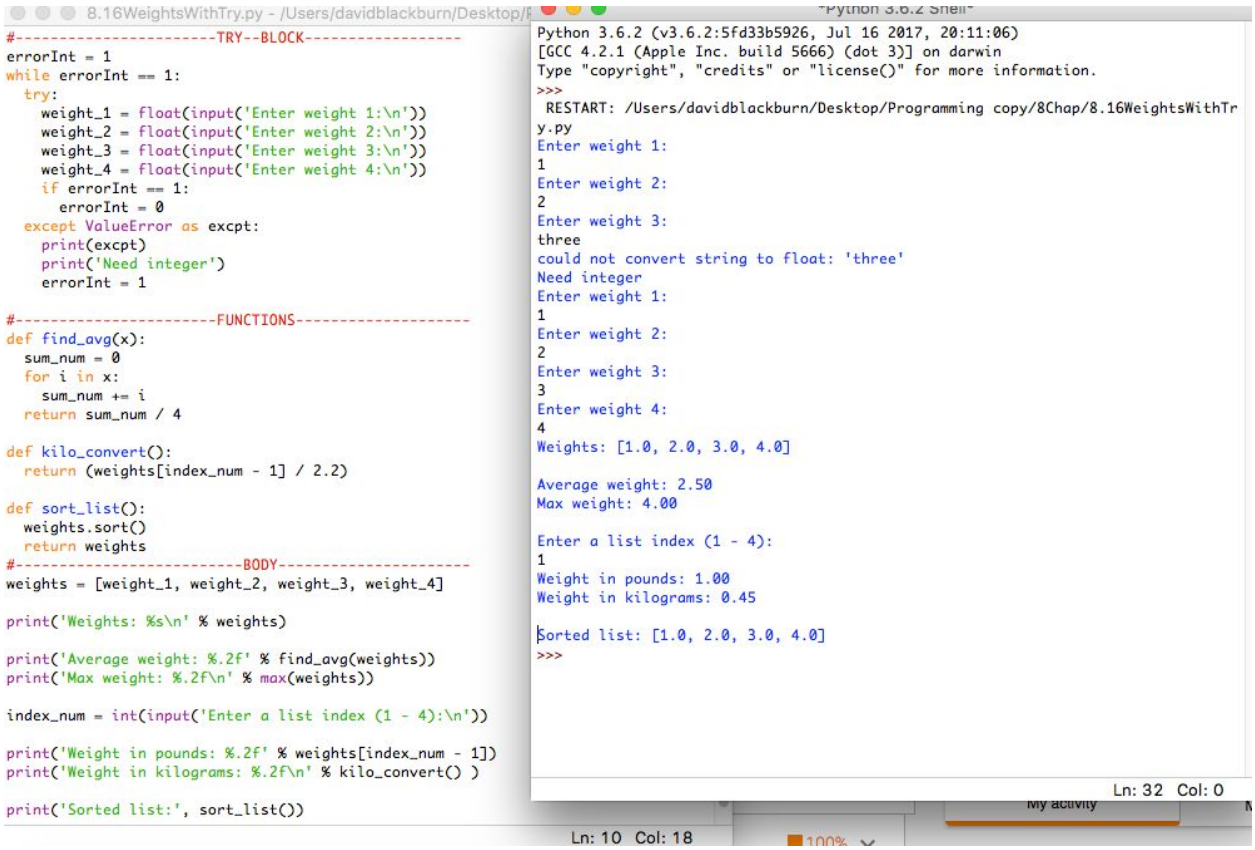
Below is the revised code from 5.14 with a try block.



```
errorInt = 1
while errorInt == 1:
    try:
        triangle_char = input('Enter a character:\n')
        triangle_height = int(input('Enter triangle height:\n'))
        print('')
        ast_str = ''
        errorInt = 0
    except ValueError:
        print('Error: Height must be an integer.')

for i in range(triangle_height):
    ast_str += triangle_char + ' '
    print(ast_str)
```

```
Python 3.6.2 (v3.6.2:5fd33b5926, Jul 16 2017, 20:11:06)
[GCC 4.2.1 (Apple Inc. build 5666) (dot 3)] on darwin
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: /Users/davidblackburn/Desktop/5.14TriangleChap5WithTry.py =====
Enter a character:
5
Enter triangle height:
three
Error: Height must be an integer.
Enter a character:
^
Enter triangle height:
5

^
^ ^
^ ^ ^
^ ^ ^ ^
^ ^ ^ ^ ^
>>>
```

Below is the revised version of 8.16 with a try block integrated.



The next picture is of the code from the chapter 12 assignment. The only file that needed a try block was the one that writes to the file because if that can't fail then the reader should have no problem. So I only took a screenshot of that code running. The files submitted should have the information seen in the screenshot if you need proof.