Below is the working code and the output from figure 10.1.1

```
*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.
user_input =
while user_input != 'q':
try:
            :
weight = int(input("Enter weight (in pounds): "))
height = int(input("Enter height (in inches): "))
                                                                                                                                                       = RESTART: /Users/davidblackburn/Deskton/10.1.1.pv =
                                                                                                                                 Enter weight (in pounds): 150
Enter height (in inches): 66
BMI: 24.207988980716255
             bmi = (float(weight) / float(height * height)) * 703
            print('BMI:', bmi)
print('(CDC: 18.6-24.9 normal)\n') # Source www.cdc.gov
                                                                                                                                  (CDC: 18.6-24.9 normal)
            print('Could not calculate health info.\n')
                                                                                                                                  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>
       user_input = input("Enter any key ('q' to quit): ")
                                                                                                                                  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.pv --
                                                                                                                                 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 ('a' to quit):
```

Below is the working code and the output from figure 10.2.1

```
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.
user_input = ''
while user_input != 'q':
          weight = int(input("Enter weight (in pounds): "))
height = int(input("Enter height (in inches): "))
                                                                                                         = RESTART: /Users/davidblackburn/Desktop/10.2.1.py ===
                                                                                       Enter weight (in pounds): 150
Enter height (in inches): 66
BMI: 24.207988980716255
          bmi = (float(weight) / float(height * height)) * 703
          print('BMI:', bmi)
print('(CDC: 18.6-24.9 normal)\n') # Source www.cdc.gov
                                                                                        (CDC: 18.6-24.9 normal)
     except ValueError:
          print('Could not calculate health info.\n')
                                                                                       Enter weight (in pounds): one hundred and fifty Could not calculate health info.
     except ZeroDivisionError:
          print('Invalid height entered. Must be > 0.')
     user_input = input("Enter any key ('q' to quit): ")
                                                                                        Enter any key ('q' to quit):
                                                                                       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

```
Python 3.6.2 Shell
user_input = ''
while user_input != 'q':
                                                                                 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.
          weight = int(input('Enter weight (in pounds): '))
          if weight < 0:
    raise ValueError('Invalid weight.')</pre>
                                                                                                  = RESTART: /Users/davidblackburn/Desktop/10.3.2.py =
                                                                                 Enter weight (in pounds): 90
Enter height (in inches): 0
float division by zero
          height = int(input('Enter height (in inches): '))
         if height < 0:
    raise ValueError('Invalid height.')</pre>
                                                                                 Could not calculate health info.
                                                                                 Enter any key ('a' to quit): a
          bmi = (float(weight) / float(height * height)) * 703
                                                                                 Enter weight (in pounds): 166
Enter height (in inches): 55
          print('BMI:', bmi)
print('(CDC: 18.6-24.9 normal)\n')
                                                                                 BMI: 38.57785123966942
(CDC: 18.6-24.9 normal)
          # Source www.cdc.gov
    except ValueError as excpt:
                                                                                 Enter any key ('q' to quit): a
Enter weight (in pounds): 180
Enter height (in inches): -5
          print(excpt)
          print('Could not calculate health info.\n')
                                                                                 Invalid height.
    except ZeroDivisionError as excpt:
                                                                                 Could not calculate health info.
                                                                                 Enter any key ('q' to quit): a
Enter weight (in pounds): -2
          print('Could not calculate health info. \n')
                                                                                 Invalid weight.
     user_input = input("Enter any key ('q' to quit): ")
                                                                                 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 = ('iil change':35, 'Tire rotation':19, 'Car wash':7}
if user_service == "lil change':
output_serv = 'oil change':
elif user_service == "lire rotation':
elif user_service == "Car wash':
output_serv = '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

#flesie:
except NameError:
print('Error: Requested service is not recognized')
```

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

```
5.14TriangleChap5WithTry.py - /Users/davidblackburn/Desktop/5
                                                                                                                             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.
errorInt = 1
while errorInt == 1:
         triangle_char = input('Enter a character:\n')
         triangle_height = int(input('Enter triangle height:\n'))
print('')
ast_str = ''
                                                                                        == RESTART: /Users/davidblackburn/Desktop/5.14TriangleChap5WithTry.py =====
                                                                                    Enter a character:
         errorInt = 0
                                                                                    Enter triangle height:
     except ValueError:
                                                                                    three
         print('Error: Height must be an integer.')
                                                                                    Error: Height must be an integer.
                                                                                    Enter a character:
for i in range(triangle_height):
    ast_str += triangle_char + ' '
                                                                                   Enter triangle height:
     print(ast_str)
                                                                                   >>>
```

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

```
Python 3.6.2 Shell
8.16WeightsWithTry.py - /Users/davidblackburn/Desktop/F
                                                                  Python 3.6.2 (v3.6.2:5fd33b5926, Jul 16 2017, 20:11:06)
                 -----TRY--BLOCK-----
                                                                  [GCC 4.2.1 (Apple Inc. build 5666) (dot 3)] on darwin
Type "copyright", "credits" or "license()" for more information.
errorInt = 1
while errorInt -- 1:
                                                                   RESTART: /Users/davidblackburn/Desktop/Programming copy/8Chap/8.16WeightsWithTr
    weight_1 = float(input('Enter weight 1:\n'))
    weight_2 = float(input('Enter weight 2:\n'))
weight_3 = float(input('Enter weight 3:\n'))
weight_4 = float(input('Enter weight 4:\n'))
                                                                  Enter weight 1:
                                                                  Enter weight 2:
    if errorInt == 1:
  errorInt = 0
                                                                  Enter weight 3:
  except ValueError as excpt:
                                                                  three
    print(excpt)
                                                                  could not convert string to float: 'three'
    print('Need integer')
                                                                  Need integer
    errorInt = 1
                                                                  Enter weight 1:
                 -----FUNCTIONS-----
                                                                  Enter weight 2:
def find_avg(x):
  sum_num = 0
                                                                  Enter weight 3:
  for i in x:
    sum_num += i
                                                                  Enter weight 4:
  return sum_num / 4
                                                                  Weights: [1.0, 2.0, 3.0, 4.0]
def kilo_convert():
  return (weights[index_num - 1] / 2.2)
                                                                  Average weight: 2.50
                                                                  Max weight: 4.00
def sort_list():
  weights.sort()
                                                                  Enter a list index (1 - 4):
  return weights
                           ---BODY-
                                                                  Weight in pounds: 1.00
weights = [weight_1, weight_2, weight_3, weight_4]
                                                                  Weight in kilograms: 0.45
print('Weights: %s\n' % weights)
                                                                  Sorted list: [1.0, 2.0, 3.0, 4.0]
print('Average weight: %.2f' % find_avg(weights))
print('Max weight: %.2f\n' % max(weights))
index_num = int(input('Enter a list index (1 - 4):\n'))
print('Weight in pounds: %.2f' % weights[index_num - 1])
print('Weight in kilograms: %.2f\n' % kilo_convert() )
                                                                                                                                           Ln: 32 Col: 0
print('Sorted list:', sort_list())
                                                                       Ln: 10 Col: 18
```

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.