**Debug Problem 1:**

Download the five\_dollar\_bills\_debug.py problem from Canvas and debug it. Then submit the five\_dollar\_bills\_debug.py problem in Canvas after you finish debugging it at the Mid Term Exam link.

**Code Problem 2:**

Write a program that determines the shipping costs for a freight company. Shipping costs are determined based on the package weight according to the following table:

0 – 15 Pounds $10.00

16 – 35 Pounds $35.00

36 – 75 Pounds $75.00

Over 75 Pounds $1.00 per pound

Write the program so that it asks the user how many packages the customer needs to ship and uses the number of packages to control a loop that processes each package. Validate the number of packages with a loop to ensure that they are at least 0. For each package, you will need to get the package number and weight as input. Validate the weight with a loop to ensure that it is at least 0. The shipping cost will be determined by a decision structure (if elif else, or ifs with compound conditionals). Display the package number, weight, and shipping cost for each package processed within the loop.

Be sure to include comments at the top of your program to indicate your name and the name of the program and date. Use print f to display results in a tabular format with correct decimal places as shown.

Submit the shipping\_costs.py file in Canvas under the MidTermExam link.

Here is how the code should run:

Please enter the number of packages:-1

Invalid. The number of packages must be at least 0:

-2

Invalid. The number of packages must be at least 0:

4

Shipping Report 1

Please enter the package number (ex. A1, B2):A1

Please enter the weight for the Package Number A1 :

-1

Invalid. The weight must be at least 0:

-2

Invalid. The weight must be at least 0:

15

Package Number A1

Shipping Weight 15.0

Shipping Cost 10.00

Shipping Report 2

Please enter the package number (ex. A1, B2):b2

Please enter the weight for the Package Number b2 :

35

Package Number b2

Shipping Weight 35.0

Shipping Cost 35.00

Shipping Report 3

Please enter the package number (ex. A1, B2):c3

Please enter the weight for the Package Number c3 :

75

Package Number c3

Shipping Weight 75.0

Shipping Cost 75.00

Shipping Report 4

Please enter the package number (ex. A1, B2):d4

Please enter the weight for the Package Number d4 :

76

Package Number d4

Shipping Weight 76.0

Shipping Cost 76.00