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1 """
2 shipping_costs.py
3 @Author: ITP 150 Student
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5 This program calculates shipping charges for packages on the scale below.
6 0 - 15 Pounds $10.00
7 16 - 35 Pounds $35.00
8 36 - 75 Pounds $75.00
9 Over 75 Pounds $1.00 per pound
10 """
11
12
13 num_packages = int(input('Please enter the number of packages:'))
14 while num_packages < 0:
15     print('Invalid. The number of packages must be at least 0:')
16     num_packages = int(input())
17 # for loop that controls processing for each package
18 for i in range(0, num_packages, 1):
19     print('Shipping Report', (i+1))
20     package_num = input('Please enter the package number (ex. A1, B2):')
21     print('Please enter the weight for the Package Number', package_num, ':')
22     weight = float(input())
23     # Validation loop to ensure weight is 0 or higher
24     while weight < 0:
25         print('Invalid. The weight must be at least 0:')
26         weight = float(input())
27     # Decision structure to set cost based on weight
28     if weight <= 15:
29         shipping_cost = 10.00
30     elif weight <= 35:
31         shipping_cost = 35.00
32     elif weight <= 75:
33         shipping_cost = 75.00
34     else:
35         shipping_cost = 1.00 * weight # shipping_cost = weight
36
37     # print('Package Number', package_num)
38     print(f'{"Package Number":30}{package_num:>10s}')
39     # print('Shipping Weight', weight)
40     print(f'{"Shipping Weight":30}{weight:>10,.1f}')
41     # print('Shipping Cost', shipping_cost)
42     print(f'{"Shipping Cost":30}{shipping_cost:>10,.2f}')
43

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