

```
1 Enter weights(0 to exit): 2
2 Enter weights(0 to exit): 35
3 Enter weights(0 to exit): 12
4 Enter weights(0 to exit): 1
5 Enter weights(0 to exit): 17
6 Enter weights(0 to exit): 4
7 Enter weights(0 to exit): 0
8
9 2 packages under 2 lbs.
10 2 packages between 3 - 12 lbs.
11 1 packages between 13 - 20 lbs.
12 1 packages between 21 - 40 lbs.
13 The total shipping price is $57.50
```

```
1  #include <iostream>
2  #include <iomanip>
3  using namespace std;
4
5  int main()
6  {
7      int    weightInput;
8      double totalPrice;
9      int weightClass1; // up to 2 lbs.
10     int weightClass2; // between 3 and 12 lbs.
11     int weightClass3; // between 13 and 20 lbs.
12     int weightClass4; // between 21 and 40 lbs.
13
14     totalPrice = 0.0;
15     weightClass1 = 0;
16     weightClass2 = 0;
17     weightClass3 = 0;
18     weightClass4 = 0;
19
20     cout << "Enter weights(0 to exit): ";
21     cin >> weightInput;
22     cin.ignore(10000, '\n');
23
24     while (weightInput != 0)
25     {
26         if (weightInput >= 21 && weightInput <= 40)
27         {
28             totalPrice += 18.00;
29             weightClass4++;
30         }
31         else if (weightInput >= 13 && weightInput <= 20)
32         {
33             totalPrice += 12.50;
34             weightClass3++;
35         }
36         else if (weightInput >= 3 && weightInput <= 12)
37         {
38             totalPrice += 8.50;
39             weightClass2++;
40         }
41         else
42         {
43             totalPrice += 5.00;
44             weightClass1++;
45         }
46
47         cout << "Enter weights(0 to exit): ";
48         cin >> weightInput;
49         cin.ignore(10000, '\n');
```

```
50     }
51
52     cout << fixed;
53     cout << setprecision(2);
54     cout << endl;
55     cout << weightClass1 << " packages under 2 lbs." << endl;
56     cout << weightClass2 << " packages between 3 - 12 lbs." << endl;
57     cout << weightClass3 << " packages between 13 - 20 lbs." << endl;
58     cout << weightClass4 << " packages between 21 - 40 lbs." << endl;
59     cout << "The total shipping price is $" << totalPrice;
60 }
61
```