P12. Multiple-case conditions

E1. [Multiple-case conditions c.f. E2]

Delivery-One, a package-delivery company, charges its customer by the package weight. The charge is composed of the fixed cost 50 baht and variable cost charged as follows:

(a) it is 20 baht per kg for a package weighs up to 5 kg;

(b) it is 25 baht per kg for a package weighs over 5 kg, but not over 10 kg;

(c) it is 35 baht per kg for a package weighs over 10 kg.

Write a program to take a package weight and calculate the total delivery cost of the package.

Hint: this is a problem of multiple-case conditions, all case are mutual exclusive, c.f. E2.

E2. [Cascading conditions c.f. E1]

Delivery-Double, another small-package-delivery company, charges its customer by the package weight. The charge is calculated in a progressive manner, as the following:

(a) It is 20 baht per kg for the first 5 kg.

(b) It is 30 baht per kg for any weight between 5 kg and 10 kg.

(c) It is 40 baht per kg for an extra weight over 10kg.

Write a program to take a package weight and calculate the total delivery cost of the package.

Use the P12 template (P12_Template.py; note: template is only to ensure the exact display format and allows smooth auto-grading). Submit both as one answer

Examples (multiple runs):

Enter the package weight (kg):2 Delivery One ships it at 90.00. Delivery Double ships it at 90.00. Enter the package weight (kg):9 Delivery One ships it at 275.00. Delivery Double ships it at 270.00. Enter the package weight (kg):20 Delivery One ships it at 750.00. Delivery Double ships it at 700.00.

Package 20 kg:

Delivery One: 50 + 20*35 = 750

Delivery Double: 50 + 20*5 + 30*5 + 40*10 = 700

Here is P12_template.py

```
Delivery-One, a package-delivery company,
charges its customer by the package weight.
The charge is composed of the fixed cost 50 baht and
variable cost charged as follows:
(a) it is 20 baht per kg for a package weighs up to 5 kg;
(b) it is 25 baht per kg for a package weighs over 5 kg,
but not over 10 kg;
(c) it is 35 baht per kg for a package weighs over 10 kg.
Write a program to take a package weight and
calculate the total delivery cost of the package.
Hint: this is a problem of multiple-case conditions,
all case are mutual exclusive, c.f. E2.
E2. [Cascading conditions c.f. E1]
Delivery-Double, another small-package-delivery company,
charges its customer by the package weight.
The charge is calculated in a progressive manner,
as the following:
(a) It is 20 baht per kg for the first 5 kg.
(b) It is 30 baht per kg for an extra weight that over 5 kg
but not over 10 kg.
(c) It is 40 baht per kg for an extra weight that over 10kg.
Write a program to take a package weight and
calculate the total delivery cost of the package.
# Write delivery one function here
# Write delivery double function here
   weight = float(input('Enter the package weight (kg):'))
    print('Delivery One ships it at {:,.2f}.'.format(delivery_one(weig
ht)))
    print('Delivery Double ships it at {:..2f}.'.format(delivery doubl
e(weight)))
```