The first obstacle I encountered in developing this program is building up the correct logic for duty calculation. I needed to classify different situations and adequately use "if/else" statements to match calculation formulas for different situations. Then, when testing the code I wrote, I found that the programs always give me incorrect outputs when the cheese's value is between $1000 to $13000. By carefully checking the code for this part of the calculation, I found that I mistakenly typed variable "value" to "duty." And I didn't find any problems in later testing.

List of the test data

No inputs for "Cheese type"

(,800, importer)

Inputs for "Value" is equals 0

(cairnsmore, 0, importer)

Inputs for "Value" is less than 0

(cairnsmore, -100, importer)

No inputs for "Importer"

(cairnsmore,800,)

The value of the cheese is less than or equal to $1000

(cairnsmore, 800, importer)

The value of the cheese other than cheshire and stilton is more than $1000 and less than $13000

(cairnsmore, 1800, importer)

The value of cheshire or stilton is more than $1000 and less than $13000

(cheshire, 1800, importer)

The value of cheshire or stilton is more than $1000 and less than $13000

(stilton, 1800, importer)

The value of the cheese other than cheshire and stilton is more than $13000

(cairnsmore, 14000, importer)

The value of cheshire or stilton is more than $13000

(cheshire, 14000, importer)

The value of cheshire or stilton is more than $13000

(stilton, 14000, importer)