# file2.txt

Apple,F001,30,1

Durian,F000,5,50

Coconut,F003,20,5

Elderberry,F004,10,5

Banana,F002,10,2

# main.sb

'---------- TERMINOLOGY ----------

'none - no return value

'str - string, lol

'dict - dictionary, blame python (eg. d['key'] = 'value')

'list - literal list, usually 1D otherwise specified

'table - 1D dict list

'---------- GENERAL ----------

'line break function (none -> none)

BR = Text.GetCharacter(10) 'ascii equivalent for "\n" or "\r" idk

Sub break

TextWindow.Write(BR)

'TextWindow.WriteLine("") 'alternatively

EndSub

'---------- READING DATA ----------

'LOW LEVEL

'split function (str, str -> list)

'input "s", "d"; output "ls"

s = "" 'string

d = "" 'delimeter

Sub split

'initialization

ls = ""

i = 1

'split string by delimiter

p = Text.GetIndexOf(s, d) 'get "d" position

While (p > 0) 'check whether "d" exists

ls[i] = Text.GetSubText(s, 1, p-1)

i = i + 1

s = Text.GetSubTextToEnd(s, p+1) 'substring

p = Text.GetIndexOf(s, d) 'get next "d" pos

EndWhile

ls[i] = s 'last seg.

EndSub

'csv-like str read function (str -> table)

'input "s"; output "t"

s = "" 'string

Sub readcs

'split string by line break

d = BR

split()

rs = ls 'rows

'split str in list by comma

For j=1 to Array.GetItemCount(rs)

s = rs[j]

d = ","

split()

t[j] = ls

EndFor

EndSub

'list to table converter function (2D-list, list -> table)

'input "t", "ls"; output "t"

t = ""

ls = ""

Sub toTable

\_ = ""

For i=1 To Array.GetItemCount(t)

For j=1 To Array.GetItemCount(ls)

\_[i][ls[j]] = t[i][j]

EndFor

EndFor

t = \_

EndSub

'csv-like file read function (str, list -> table|2D-list)

'usage: input "name", "keys" (optional); output "table"

name = "" 'file name

keys = "" 'column labels

Sub readc

'read str from file

s = File.ReadContents(Program.Directory+"/"+name)

'cast str to table|list

readcs()

ls = keys

toTable()

table = t

EndSub

'---------- SHOWING DATA ----------

'CONSTANTS

ORDER\_LABEL = "1=Date;2=Code;3=Qty"

STOCK\_LABEL = "1=Name;2=Code;3=Qty;4=Price"

'table print function (table, str -> none)

'usage: input "table", "title" (optional)

table = "" 'table

title = "" 'table title

Sub printTable

'initialization

ls = Array.GetAllIndices(table[1])

'print table

If (title <> "") then

TextWindow.WriteLine(title)

EndIf

For i=1 To Array.GetItemCount(table)

For j=1 To Array.GetItemCount(ls)

l = ls[j]

TextWindow.WriteLine(l+": "+table[i][l])

EndFor

break()

EndFor

break()

EndSub

'file -> array

name = "file2.txt"

keys = STOCK\_LABEL

readc()

stock = table

'display array

title = "Stock"

table = stock

printTable()