

BUSI2401 – Winter 2023

Assignment 01

[This assignment is worth 13.33 % of your final grade]

Due date: February 12, 2023 – 10:00 pm



Honey Comb is a producer of organic honey in the province of Quebec. They can sell to retailers and consumers. They sell their product in three different sizes:

- Small (250 ml jars) for \$14.99
- Medium (500 ml jars) for \$27.99
- Large (750 ml) for \$39.99

They can deliver by:

- Land (depending on where to, it can take from 5-7 business days to 3-4 weeks; this costs \$15.00 plus 25¢ per jar)
- Air (depending on where to, it can take 2 to 3 business days, this costs \$30.00 plus \$1.00 per jar)
- Next Day delivery (this is an overnight delivery if orders are received before 4:00 PM; it costs \$48.00 plus \$1.50 per jar)

Since the store is in Quebec, sales include a 5% GST plus a 9.975% QST.

Please create a Store.py file that includes a main() function that runs the store with these requirements:

A comment with your personal information:

```
"""
Spyder Editor

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CUID: 100121212
BUSI2401 Section C
```

Additionally, it must use these variables:

```
Product = {'Small': 14.99, 'Medium': 27.99, 'Large': 39.99}
Delivery = {'Land': [15.00, 0.25], 'Air': [30.00, 1.00], 'NextDay': [48.00, 1.50]}
GST = 0.05
QST = 0.09975
```

Use an endless loop to process an order. The order must include how many jars of each size are ordered, the delivery method, the subtotal, shipping and handling costs, GST, QST, and Total.

Users are prompted for the number of jars in each size and if they don't enter an integer, they are informed and asked again. Use the checkInput() function to verify the input is an integer, and continue to ask the user until an integer is entered:

```
def checkInput(prompt):
```

The prompt changes since there are jars of three sizes!

```
How many Small jars do you want? ten
You did not enter an integer

How many Small jars do you want? 15

How many Medium jars do you want? 10

How many Large jars do you want? 5
```

Then they are asked about delivery method:

```
We can deliver by: Land, Air, or NextDay

Do you want your by Land? Y/N N

Do you want it by Air? Y/N N
By Next Day then!
```

Once the order has all the information needed, an invoice is printed using a `printInvoice()` function:

```
def printInvoice(Order):
```

```
This is your Order information
You ordered:
**** 15 Small jars.
**** 10 Medium jars.
**** 5 Large jars.
It will be delivered by NextDay
Subtotal: $704.70
Shipping & Handling: $93.00
GST: $39.89
QST: $79.57
ORDER TOTAL: $917.16
```

After each order is processed the program should ask:

```
Are there more orders? Y/N
```

If you enter Y, it should go back and process a new order, end otherwise.

When ready, submit the file with this name: `StoreByCUID.py`, where CUID is your student number, for example: `StoreBy100121212.py`