

Eric Li
A20419312
ITMD 413 HW 4
Report Summary

1. Yes I completed the assignment with no errors.
2. Yes, the program produces a correct total and matrix.
3. Yes, I tested with a couple of inputs.
4. I spent 6 hours on this assignment.
5. I wrote this program myself.
6. I used Google to solve syntax issues and how to use numpy.
7. I learned how to use numpy, how to create lists/matrices, and how to pass more than one argument into a function.
8. No.

Output:

Python 3.8.5 (default, Sep 3 2020, 21:29:08) [MSC v.1916 64 bit (AMD64)]
Type "copyright", "credits" or "license" for more information.

IPython 7.20.0 -- An enhanced Interactive Python.

```
runfile('Z:/ITMD 413 Open Source Programming (Python)/ITMD-413/HW 4/main.py',  
wdir='Z:/ITMD 413 Open Source Programming (Python)/ITMD-413/HW 4')  
Enter zero when you are done entering prices
```

Enter price: 1

Enter price: 2

Enter price: 3

Enter price: 4

Enter price: 5

Enter price: 6

Enter price: 7

Enter price: 8

Enter price: 9

Enter price: 0

Each price entered: [1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 9.0]

The subtotal is: \$ 45.0

The tax of your total is: \$3.15

The total with sales tax is: \$48.15

Enter number for your first matrix: 1

Enter number for your first matrix: 2

Enter number for your first matrix: 3

Enter number for your first matrix: 4

Enter number for your first matrix: 5

Enter number for your first matrix: 6

Enter number for your first matrix: 7

Enter number for your first matrix: 8

Enter number for your first matrix: 9

=====

Enter number for your second matrix: 1

Enter number for your second matrix: 2

Enter number for your second matrix: 3

Enter number for your second matrix: 4

Enter number for your second matrix: 5

Enter number for your second matrix: 6

Enter number for your second matrix: 7

Enter number for your second matrix: 8

Enter number for your second matrix: 9

[[30. 36. 42.]

[66. 81. 96.]

[102. 126. 150.]]

runfile('Z:/ITMD 413 Open Source Programming (Python)/ITMD-413/HW 4/main.py',
wdir='Z:/ITMD 413 Open Source Programming (Python)/ITMD-413/HW 4')

Reloaded modules: SellItems

Enter zero when you are done entering prices

Enter price: 10.5

Enter price: 11

Enter price: 32.44

Enter price: 0

Each price entered: [10.5, 11.0, 32.44]

The subtotal is: \$ 53.94

The tax of your total is: \$3.78

The total with sales tax is: \$57.72

Enter number for your first matrix: 1.2

Enter number for your first matrix: 2.3

Enter number for your first matrix: 2

Enter number for your first matrix: 3.4

Enter number for your first matrix: 5.2

Enter number for your first matrix: 3

Enter number for your first matrix: 2

Enter number for your first matrix: 3

Enter number for your first matrix: 2

=====

Enter number for your second matrix: 1.2222

Enter number for your second matrix: 3

Enter number for your second matrix: 2

Enter number for your second matrix: 4

Enter number for your second matrix: 67

Enter number for your second matrix: 3

Enter number for your second matrix: 56

Enter number for your second matrix: 3.3

Enter number for your second matrix: 3

[[122.66664 164.3 15.3]

[192.95548 368.5 31.4]

[126.4444 213.6 19.]]