Model 3 lab with docstrings

February 26, 2025

[3]:
```
'''
    script: cis129_lab03_coffeeShop.py
    action: a. read positive integers from user
            b. sums the integers
            c. displays the results
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    date:   02/24/2025
'''

def numberOfItemsPurchased():
    '''
    action: shows how much of each item was purchased
    input: the number of each item
    output: none
    return: list of number of items
    '''

number_of_items_purchased = int("1")
number_of_items_purchased2 = int("2")


def priceOfItem():
    '''
    action: shows how much each item costs
    input: cost per item
    output: none
    return: list of cost
    '''

price_of_item = float("5.0")
price_of_item2 = float("4.0")


def total():
    '''
    action: adding costs of items multipled by price of item
    input: adding in tax to total
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    ouput: the overall cost of items plus tax
    return: shows the total plus total tax amount
    '''

total = (number_of_items_purchased * price_of_item) +␣
 ↪(number_of_items_purchased2 * price_of_item2)
tax_rate = 0.06
tax_amount = total * tax_rate
total_cost = total + tax_amount


def Main():
    '''
    action: shows the recepit with end results
    input: none
    output: results
    return: none
    '''

print("****************************************")
print("My Coffee and Muffin Shop")
print("Number of coffees bought?")
print("1")
print("Number of muffins bought?")
print("2")
print("****************************************")


print("****************************************")
print("My Coffee and Muffin Shop Receipt")
print(f"1 Coffee at $5 each ${price_of_item:.2f}")
print(f"1 Muffin at $4 each ${price_of_item2:.2f}")
print("6% tax: $.78")



print(f"Subtotal:        ${total:.2f}")
print(f"Total Cost:      ${total_cost:.2f}")
print("****************************************")
```

```
****************************************
My Coffee and Muffin Shop
Number of coffees bought?
1
Number of muffins bought?
2
****************************************
```

```
**************************************
My Coffee and Muffin Shop Receipt
1 Coffee at $5 each $5.00
1 Muffin at $4 each $4.00
6% tax: $.78
Subtotal:        $13.00
Total Cost:      $13.78
**************************************
```