

## Model 3 lab xtra food

February 26, 2025

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[10]: '''
        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 purchased
        output: prints the number
        return: list of number of items
    '''

    number_of_items_purchased = int("1")
    number_of_items_purchased2 = int("2")
    number_of_items_purchased3 = int("3")
    number_of_items_purchased4 = int("4")

def priceOfItem():
    '''
        action: shows how much each item costs

        input: cost per item
        output: prints each cost
        return: displays the cost amounts
    '''

    price_of_item = float("5.0")
    price_of_item2 = float("4.0")
    price_of_item3 = float("3.0")
    price_of_item4 = float("4.0")
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def total():
    '''
        action: adding costs of items multiplied by price of item

        input: adding in tax to total
        output: 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) + \
        (number_of_items_purchased3 * price_of_item3) + (number_of_items_purchased4 * \
        price_of_item4)
    tax_rate = 0.06
    tax_amount = total * tax_rate
    total_cost = total + tax_amount

def Main():
    '''
        action: shows the receipt with end results

        input: none
        output: prints the data
        return: shows it in receipt form
    '''

    print("*****")
    print("My Coffee and Muffin Shop")
    print("Number of coffees bought?")
    print("1")
    print("Number of muffins bought?")
    print("2")
    print("Number of cookies bought?")
    print("4")
    print("Number of bagels bought?")
    print("5")
    print("*****")

    print("*****")
    print("My Coffee and Muffin Shop Receipt")
    print(f"1 Coffee at $5 each ${price_of_item:.2f}")
    print(f"2 Muffin at $4 each ${price_of_item2:.2f}")
    print(f"4 Cookie at $3 each ${price_of_item3:.2f}")
    print(f"5 Bagel at $4 each ${price_of_item4:.2f}")

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print("6% tax: $.78")

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

print("Thank you for enjoying breakfast with us! Come again soon!")
print("Comments or concerns please contact His Lordship")
print("at pfarmer@pima.edu")

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*****
My Coffee and Muffin Shop
Number of coffees bought?
1
Number of muffins bought?
2
Number of cookies bought?
4
Number of bagels bought?
5
*****
*****
My Coffee and Muffin Shop Receipt
1 Coffee at $5 each $5.00
2 Muffin at $4 each $4.00
4 Cookie at $3 each $3.00
5 Bagel at $4 each $4.00
6% tax: $.78
Subtotal:          $38.00
Total Cost:        $40.28
*****
Thank you for enjoying breakfast with us! Come again soon!
Comments or concerns please contact His Lordship
at pfarmer@pima.edu

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