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In [1]: record = { 1001 : {'name': "5star", 'price': 10 , 'quantity': 200 },
                  1002: {'name': "bar-one", 'price': 20 , 'quantity': 100 } ,
                  1003: {'name': "candy", 'price': 2 , 'quantity': 1200 },
                  1004: {'name': "chocolate cake", 'price': 300 , 'quantity': 30 } ,
                  1005: {'name': "blackberry cake", 'price': 500, 'quantity': 16 } }
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In [77]: record
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Out[77]: {1001: {'name': '5star', 'price': 10, 'quantity': 200},
          1002: {'name': 'bar-one', 'price': 20, 'quantity': 100},
          1003: {'name': 'candy', 'price': 2, 'quantity': 1200},
          1004: {'name': 'chocolate cake', 'price': 300, 'quantity': 30},
          1005: {'name': 'blackberry cake', 'price': 500, 'quantity': 16}}
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In [5]: import json
import time

sale = ""

# Importing inventory data from records.json
fd = open("records.json", "r")
js = fd.read()
fd.close()

# Converting string data to dictionary
record = json.loads(js)

# Showing available products
print('-----MENU-----\n')
for i in record.keys():
    print(i, record[i]['name'], '|', record[i]['price'], '|', record[i]['quantity'])

print('-----\n')

# Taking input from user about the product they want to purchase
ui_name = input('Enter your name : ')
ui_mail = input('Enter your mail ID : ')
ui_phone = input("Enter your phone : ")
ui_prod_identifier = input("Enter the Product ID or Name: ")
ui_prod_qn = int(input("Enter Quantity : "))

# Search for the product by ID or Name
product_found = False
for prod_id, prod_details in record.items():
    if ui_prod_identifier == prod_id or ui_prod_identifier.lower() == prod_details['name'].lower():
        ui_prod_id = prod_id
        product_found = True
        break

if not product_found:
    print("Product not found. Please check the ID or Name and try again.")
else:
    # Matches the quantity if we have equal or more than that user wants
    if record[ui_prod_id]['quantity'] >= ui_prod_qn:

        print('--' * 10)
        print("Your order details")
        print('--' * 10)
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original_price = record[ui_prod_id]['price'] * ui_prod_qn
discount = 0.05 # 5% discount
discounted_price = original_price * (1 - discount)
savings = original_price - discounted_price

print('Name                :', record[ui_prod_id]['name'])
print('Price (Rs)           :', record[ui_prod_id]['price'], "Rs")
print('Quantity             :', ui_prod_qn)
print('Original Bill (Rs)    :', original_price, "Rs")
print('--' * 10)
print("Discounted Bill (Rs) : ", discounted_price, "Rs")
print("As it is a special day, you get a 5% discount!")
print("You saved: ", savings, "Rs")
print('--' * 10)

# Updating inventory in dictionary
record[ui_prod_id]['quantity'] = record[ui_prod_id]['quantity'] - ui_pro

# Generating transaction details in CSV
sale = '1' + "," + ui_name + "," + ui_mail + "," + ui_phone + "," + ui_p

# If we have less quantity than the user wants
else:
    print("Sorry, we're not having enough quantity in our inventory.")
    print("We're only having ", record[ui_prod_id]['quantity'], 'qn')
    print('--' * 10)
    ch = str(input("Press Y/y to purchase "))

# If user is interested to purchase whole available quantity then by pre
if ch == 'y' or ch == 'Y':

    print('--' * 10)
    print("Your order details")
    print('--' * 10)

    original_price = record[ui_prod_id]['price'] * record[ui_prod_id]['q
    discounted_price = original_price * (1 - discount)
    savings = original_price - discounted_price

    print('Name                :', record[ui_prod_id]['name'])
    print('Price (Rs)           :', record[ui_prod_id]['price'], "Rs")
    print('Quantity             :', record[ui_prod_id]['quantity'])
    print('Original Bill (Rs)    :', original_price, "Rs")
    print('--' * 10)
    print("Discounted Bill (Rs) : ", discounted_price, "Rs")
    print("As it is a special day, you get a 5% discount!")
    print("You saved: ", savings, "Rs")
    print('--' * 10)

    # Updating inventory in dictionary
    record[ui_prod_id]['quantity'] = 0

    # Generating transaction details in CSV
    sale = '1' + "," + ui_name + "," + ui_mail + "," + ui_phone + "," +

# If user doesn't want to purchase remaining ones
else:
    print("Thanks")

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# Converting inventory dictionary to string
js = json.dumps(record)

# Updating inventory and saving into records.json
fd = open("records.json", 'w')
fd.write(js)
fd.close()

# Adding transaction to CSV file
fd = open("sales.csv", "a")
fd.write(sale)
fd.close()

print('')
print("-----")
print("  Thanks for your order, Inventory Updated!  ")
print("-----")

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-----MENU-----

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1001 5star | 10 | 145
1002 bar-one | 20 | 88
1003 candy | 2 | 1200
1004 chocolate cake | 300 | 30
1005 blackberry cake | 500 | 0

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Your order details  
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Name           : candy
Price (Rs)      : 2 Rs
Quantity        : 100
Original Bill (Rs) : 200 Rs

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Discounted Bill (Rs) : 190.0 Rs
As it is a special day, you get a 5% discount!
You saved: 10.0 Rs

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Thanks for your order, Inventory Updated!  
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In [ ]: