

```

products = {
    1001 : {"name":"Betty Croker Pancake",      "price":346,  "quan":190, "expiry":"15 jan 2
    1002 : {"name":"Parle G Original",          "price":67,   "quan":140, "expiry":"13 dec 2
    1003 : {"name":"Lays Potato Chips",         "price":30,   "quan":450, "expiry":"14 feb 2
    1004 : {"name":"Bingo! Mad Angle",          "price":25,   "quan":440, "expiry":"20 dec 2
    1005 : {"name":"Kellogg's pringles",        "price":85,   "quan":400, "expiry":"25 jan 2
    1006 : {"name":"Dorito's Nacho Chips",      "price":90,   "quan":360, "expiry":"22 jan 2
    1007 : {"name":"Kitkat Desert",             "price":55,   "quan":59,  "expiry":"31 aug 2
    1008 : {"name":"Dark Fantasy Choco Fills",  "price":90,   "quan":90,  "expiry":"21 feb 2
    1009 : {"name":"Candyman Fantasy",          "price":80,   "quan":95,  "expiry":"28 dec 2
    1010 : {"name":"Lotte Choco Pie",           "price":110,  "quan":95,  "expiry":"01 jun 2
    1011 : {"name":"Britania Chocolate cake",   "price":120,  "quan":100, "expiry":"15 jul 2
    1012 : {"name":"Pillsbury cookies cake",    "price":90,   "quan":200, "expiry":"02 dec 2
    1013 : {"name":"Dabur Amla Hair Oil",       "price":247,  "quan":100, "expiry":"10 aug 2
    1014 : {"name":"Nivea Men Face Wash",       "price":149,  "quan":98,  "expiry":"31 jul 2
    1015 : {"name":"Himalaya herbal face wash", "price":105,  "quan":200, "expiry":"22 f
    1016 : {"name":"Pepsi Can",                 "price":153,  "quan":50,  "expiry":"20 oct 2
    1017 : {"name":"Tata Salt",                 "price":20,   "quan":130, "expiry":"12 jan 2
    1018 : {"name":"Tata Tea Gold",             "price":48,   "quan":145, "expiry":"10 mar 2
    1019 : {"name":"Turmeric Powder",          "price":52,   "quan":122, "expiry":"23 jun 2
    1020 : {"name":"Quaker Oats",               "price":285,  "quan":30,  "expiry":"30 oct 2
    1021 : {"name":"Saffola Active",            "price":207,  "quan":58,  "expiry":"29 jan 2
    1022 : {"name":"Thums Up Soft Drink",       "price":40,   "quan":60,  "expiry":"20 dec 2
    1023 : {"name":"Svami Soda Water",         "price":55,   "quan":70,  "expiry":"20 jun 2
    1024 : {"name":"Coca-Cola",                "price":65,   "quan":60,  "expiry":"22 jul 2
    1025 : {"name":"Sprite Lime Flavor",        "price":89,   "quan":40,  "expiry":"20 nov 2
    1026 : {"name":"Colgate Maxfresh",          "price":215,  "quan":55,  "expiry":"20 jun 2
    1027 : {"name":"Pepsodent Gum Care",        "price":300,  "quan":150, "expiry":"15 jul 2
    1028 : {"name":"Kraft Oreo Soft Cake",      "price":249,  "quan":120, "expiry":"30 dec 2
    1029 : {"name":"Mom's Magic Cashew",        "price":80,   "quan":180, "expiry":"19 mar 2
    1030 : {"name":"Cadbury Oreo Chocolate",    "price":80,   "quan":185, "expiry":"22 jan 2022"
    1031 : {"name":"Himalaya Baby Powder",      "price":243,  "quan":150, "expiry":"31 may 2
    1032 : {"name":"Nivea Talcum Powder",       "price":199,  "quan":120, "expiry":"31 may 2
    1033 : {"name":"Fogg Xtremo Scent",         "price":299,  "quan":155, "expiry":"01 jan 2
    1034 : {"name":"Villain Perfume men",       "price":555,  "quan":230, "expiry":"31 may 2
    1035 : {"name":"Dairy Milk Silk",           "price":475,  "quan":50,  "expiry":"31 jan 2
}

```

```
import json
```

```

fd = open("products.json", 'r')
r = fd.read()
fd.close()

```

```
products = json.loads(r)
```

```
print("Welcome to shop")
```

```
ui_prod = input("Enter the product Id: ")
```

```

ui_quan = int(input("Enter the quantity of the Product: "))

for i in products.keys():
    while ui_prod == i:
        if ui_quan <= products[i]['quan']:
            print("*****")
            print("          product:",products[ui_prod]['name'])
            print("          price:",products[ui_prod]['price'])
            print("          Expiry date:",products[ui_prod]['expiry'])
            print(" Manufacturing Brand:",products[ui_prod]['brand'])
            print("*****")
            print("-----BILLING DETAILS:----- ")
            print("Total Amount: ",products[ui_prod]['price']*ui_quan)
            print("Enjoy Your Day")
            print("Thank You. Visit Again")
            print("*****")
            products[ui_prod]["quan"] = products[ui_prod]["quan"] - ui_quan
        else:
            print("Sorry. Stock of product you entered is: ",products[ui_prod]['quan'],"\nP
            break
    if ui_prod not in products.keys():
        print("Sorry. No product found for ID: ",ui_prod,"\Please enter valid product ID")

js = json.dumps(products)

fd = open("products.json",'w')
fd.write(js)
fd.close()

## The sold items information is stored on sales.json
fd = open("sales.json",'r')
trans = fd.read()
fd.close()

sales = json.loads(trans)
num = len(sales)+1

sales[num] = {'prod':ui_prod, 'quan' : ui_quan, 'amount': products[ui_prod]['price'] * ui_
sale = json.dumps(sales)

fd = open("sales.json",'w')
fd.write(sale)
fd.close()

```



```

Welcome to shop
Enter the product Id: 1006
Enter the quantity of the Product: 3
*****
        product: Dorito's Nacho Chips
        price: 90
    Expiry date: 22 jan 2023
    Manufacturing Brand: Dorito's
*****
-----BILLING DETAILS:-----
Total Amount:  270
Enjoy Your Day
Thank You. Visit Again
*****

```

FileNotFoundError

Traceback (most recent call last)

```
import json
```

```
    45 ## The sold items information is stored on sales.json
```

```
    48 fd.close()
```

```
js = json.dumps(products)
```

```

fd = open("products.json","w")
fd.write(js)
fd.close()

```

READ DATA FROM JSON

```
fd = open("products.json",'r')
```

```
r = fd.read()
```

```
fd.close()
```

```
products = json.loads(r)
```

```
products
```

```

{'expiry': '22 jan 2023',
 'name': 'Dorito's Nacho Chips',
 'price': 90,
 'quan': 360},
'1007': {'brand': 'Nestle',
 'expiry': '31 aug 2022',
 'name': 'Kitkat Desert',
 'price': 55,
 'quan': 59},
'1008': {'brand': 'Dark Fantasy',
 'expiry': '21 feb 2022',
 'name': 'Dark Fantasy Choco Fills',

```

```
'price': 90,  
'quan': 90},  
'1009': {'brand': 'Candyman Fantastik',  
'expiry': '28 dec 2021',  
'name': 'Candyman Fantasy',  
'price': 80,  
'quan': 95},  
'1010': {'brand': 'Lotte',  
'expiry': '01 jun 2022',  
'name': 'Lotte Choco Pie',  
'price': 110,  
'quan': 95},  
'1011': {'brand': 'Britania',  
'expiry': '15 jul 2022',  
'name': 'Britania Chocolate cake',  
'price': 120,  
'quan': 100},  
'1012': {'brand': 'Pillsbury',  
'expiry': '02 dec 2021',  
'name': 'Pillsbury cookies cake',  
'price': 90,  
'quan': 200},  
'1013': {'brand': 'DABUR',  
'expiry': '10 aug 2024',  
'name': 'Dabur Amla Hair Oil',  
'price': 247,  
'quan': 100},  
'1014': {'brand': 'Nivea',  
'expiry': '31 jul 2022',  
'name': 'Nivea Men Face Wash',  
'price': 149,  
'quan': 98},  
'1015': {'brand': 'himalaya',  
'expiry': '22 feb 2022',  
  
'name': 'Himalaya herbal face wash',  
'price': 105,  
'quan': 200},  
'1016': {'brand': 'Pepsi',  
'expiry': '20 oct 2023',  
'name': 'Pepsi Can',  
'price': 153,  
'quan': 50},  
'1017': {'brand': 'Tata',  
'expiry': '12 jan 2022',  
'name': 'Tata Salt',  
'price': 20,  
'quan': 130},  
.....
```

! 5s completed at 20:17

