

```
In [1]: import json
fd=open("products.json","r")
p=fd.read()
fd.close()
products=json.loads(p)

In [2]: products

Out[2]: {'1': {'product_name': 'five star',
               'price': 10,
               'manufactured_date': 1232020,
               'expiry_date': 2392021,
               'quantity': 100},
         '2': {'product_name': 'munch',
               'price': 5,
               'manufactured_date': 1142020,
               'expiry_date': 252021,
               'quantity': 200},
         '3': {'product_name': 'perk',
               'price': 13,
               'manufactured_date': 652020,
               'expiry_date': 482021,
               'quantity': 24},
         '4': {'product_name': 'glucose',
               'price': 30,
               'manufactured_date': 232020,
               'expiry_date': 15112021,
               'quantity': 200},
         '5': {'product_name': 'diary milk',
               'price': 10,
               'manufactured_date': 1232020,
               'expiry_date': 15112022,
               'quantity': 170},
         '6': {'product_name': 'milky bar',
               'price': 30,
               'manufactured_date': 2362020,
               'expiry_date': 15112022,
               'quantity': 45},
         '7': {'product_name': 'kit-kat',
               'price': 20,
               'manufactured_date': 332020,
               'expiry_date': 15112022,
               'quantity': 450},
         '8': {'product_name': 'eclairs',
               'price': 5,
               'manufactured_date': 2432020,
               'expiry_date': 972022,
               'quantity': 34},
         '9': {'product_name': 'maha-lacto',
               'price': 5,
               'manufactured_date': 432020,
               'expiry_date': 682022,
               'quantity': 200},
         '10': {'product_name': '5050',
                'price': 20,
                'manufactured_date': 1292020,
                'expiry_date': 632020,
                'quantity': 240},
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                'price': 50,
                'manufactured_date': 482020,
                'expiry_date': 25112022,
                'quantity': 20},
         '12': {'product_name': 'salt biscuit',
                'price': 40,
                'manufactured_date': 2362020,
                'expiry_date': 14112022,
                'quantity': 200},
         '13': {'product_name': 'milky biscuit',
                'price': 10,
                'manufactured_date': 562020,
                'expiry_date': 2992021,
                'quantity': 140},
         '14': {'product_name': 'marie gold',
                'price': 5,
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                'expiry_date': 18112022,
                'quantity': 200},
         '15': {'product_name': 'lays',
                'price': 13,
                'manufactured_date': 192020,
                'expiry_date': 15112022,
                'quantity': 24},
         '16': {'product_name': 'kurkure',
                'price': 30,
                'manufactured_date': 1882020,
                'expiry_date': 16112022,
                'quantity': 200},
         '17': {'product_name': 'cherry cake',
                'price': 45,
                'manufactured_date': 382020,
                'expiry_date': 15102021,
                'quantity': 200},
         '18': {'product_name': 'ghee biscuit',
                'price': 35,
                'manufactured_date': 1282021,
                'expiry_date': 15112022,
                'quantity': 200},
         '19': {'product_name': 'milk shakthi',
                'price': 40,
                'manufactured_date': 1452021,
                'expiry_date': 2592022,
                'quantity': 28},
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                'quantity': 14},
         '21': {'product_name': 'tiger biscuit',
                'price': 5,
                'manufactured_date': 15102021,
                'expiry_date': 15112022,
                'quantity': 100},
         '22': {'product_name': 'vennila cake',
                'price': 20,
                'manufactured_date': 1042021,
                'expiry_date': 10112022,
                'quantity': 200},
         '23': {'product_name': 'strawberry biscuit',
                'price': 45,
                'manufactured_date': 14102021,
                'expiry_date': 18112022,
                'quantity': 700},
         '24': {'product_name': 'butterscotch',
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         '25': {'product_name': 'chocolate cake',
                'price': 20,
                'manufactured_date': 1332020,
                'expiry_date': 992021,
                'quantity': 100},
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                'price': 30,
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                'expiry_date': 15112022,
                'quantity': 300},
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                'price': 13,
                'manufactured_date': 8112021,
                'expiry_date': 25112022,
                'quantity': 24},
         '28': {'product_name': 'dark fantasy',
                'price': 20,
                'manufactured_date': 13102021,
                'expiry_date': 13112022,
                'quantity': 100},
         '29': {'product_name': 'kinder-joy',
                'price': 34,
                'manufactured_date': 17102021,
                'expiry_date': 15112022,
                'quantity': 209},
         '30': {'product_name': 'crispello',
                'price': 12,
                'manufactured_date': 14102021,
                'expiry_date': 12112022,
                'quantity': 250},
         'pid': {'pid': '31', 'pname': 'roll', 'price': 4, 'quantity': 6},
         'p_id': {'p_id': '33',
                  'p_name': 'millet',
                  'price': 45,
                  'quantity': 60,
                  'manufactured_date': 452021,
                  'expiry_date': 562021}}

In [19]: ui_product = str(input("Enter the product id:"))
ui_quantity = int(input("Enter the quantity:"))

print("product:",products[ui_product]['product_name'])
print("price:",products[ui_product]['price'])
print("*****")
print("Billing Amount:",products[ui_product]['price'] * ui_quantity)
print("*****")

Enter the product id:20
Enter the quantity:3
product: cream biscuit
price: 10
*****
Billing Amount: 30
*****

In [21]: products[ui_product]["quantity"] = products[ui_product]["quantity"]-ui_quantity

In [18]: products

Out[18]: {'1': {'product_name': 'five star',
               'price': 10,
               'manufactured_date': 1232020,
               'expiry_date': 2392021,
               'quantity': 100},
         '2': {'product_name': 'munch',
               'price': 5,
               'manufactured_date': 1142020,
               'expiry_date': 252021,
               'quantity': -4},
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               'price': 13,
               'manufactured_date': 652020,
               'expiry_date': 482021,
               'quantity': 20},
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               'price': 30,
               'manufactured_date': 232020,
               'expiry_date': 15112021,
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               'manufactured_date': 1232020,
               'expiry_date': 15112022,
               'quantity': 0},
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               'price': 30,
               'manufactured_date': 2362020,
               'expiry_date': 15112022,
               'quantity': 45},
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               'price': 20,
               'manufactured_date': 332020,
               'expiry_date': 15112022,
               'quantity': 450},
         '8': {'product_name': 'eclairs',
               'price': 5,
               'manufactured_date': 2432020,
               'expiry_date': 972022,
               'quantity': 34},
         '9': {'product_name': 'maha-lacto',
               'price': 5,
               'manufactured_date': 432020,
               'expiry_date': 682022,
               'quantity': 200},
         '10': {'product_name': '5050',
                'price': 20,
                'manufactured_date': 1292020,
                'expiry_date': 632020,
                'quantity': 240},
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                'price': 50,
                'manufactured_date': 482020,
                'expiry_date': 25112022,
                'quantity': 20},
         '12': {'product_name': 'salt biscuit',
                'price': 40,
                'manufactured_date': 2362020,
                'expiry_date': 14112022,
                'quantity': 200},
         '13': {'product_name': 'milky biscuit',
                'price': 10,
                'manufactured_date': 562020,
                'expiry_date': 2992021,
                'quantity': 140},
         '14': {'product_name': 'marie gold',
                'price': 5,
                'manufactured_date': -1931,
                'expiry_date': 18112022,
                'quantity': 200},
         '15': {'product_name': 'lays',
                'price': 13,
                'manufactured_date': 192020,
                'expiry_date': 15112022,
                'quantity': 24},
         '16': {'product_name': 'kurkure',
                'price': 30,
                'manufactured_date': 1882020,
                'expiry_date': 16112022,
                'quantity': 200},
         '17': {'product_name': 'cherry cake',
                'price': 45,
                'manufactured_date': 382020,
                'expiry_date': 15102021,
                'quantity': 200},
         '18': {'product_name': 'ghee biscuit',
                'price': 35,
                'manufactured_date': 1282021,
                'expiry_date': 15112022,
                'quantity': 200},
         '19': {'product_name': 'milk shakthi',
                'price': 40,
                'manufactured_date': 1452021,
                'expiry_date': 2592022,
                'quantity': 28},
         '20': {'product_name': 'cream biscuit',
                'price': 10,
                'manufactured_date': 1692021,
                'expiry_date': 19112022,
                'quantity': 20},
         '21': {'product_name': 'tiger biscuit',
                'price': 5,
                'manufactured_date': 15102021,
                'expiry_date': 15112022,
                'quantity': 100},
         '22': {'product_name': 'vennila cake',
                'price': 20,
                'manufactured_date': 1042021,
                'expiry_date': 10112022,
                'quantity': 200},
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                'price': 45,
                'manufactured_date': 14102021,
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                'price': 5,
                'manufactured_date': 14102021,
                'expiry_date': 14112022,
                'quantity': 200},
         '25': {'product_name': 'chocolate cake',
                'price': 20,
                'manufactured_date': 1332020,
                'expiry_date': 992021,
                'quantity': 100},
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                'price': 30,
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                'expiry_date': 15112022,
                'quantity': 300},
         '27': {'product_name': 'lottee choco pie',
                'price': 13,
                'manufactured_date': 8112021,
                'expiry_date': 25112022,
                'quantity': 24},
         '28': {'product_name': 'dark fantasy',
                'price': 20,
                'manufactured_date': 13102021,
                'expiry_date': 13112022,
                'quantity': 100},
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                'price': 34,
               
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