# Read from Record JSON[¶](https://render.githubusercontent.com/view/ipynb?color_mode=auto&commit=6e1bb7a654695eb5a385e4d3c086c6b68767d4cc&enc_url=68747470733a2f2f7261772e67697468756275736572636f6e74656e742e636f6d2f61626869373932392f4a534f4e2d496e76656e746f72792d507974686f6e2f366531626237613635343639356562356133383565346433633038366336623638373637643463632f42757925323070726f647563742e6970796e62&nwo=abhi7929%2FJSON-Inventory-Python&path=Buy+product.ipynb&repository_id=403406454&repository_type=Repository#Read-from-Record-JSON)

In [5]:

fd = open("record.json","r")

txt = fd.read()

fd.close()

# Read from "Sale" JSON

In [10]:

fd = open("sales.json","r")

txt=fd.read()

fd.close()

sale=json.loads(txt)

In [6]:

**import** **json**

product = json.loads(txt)

In [7]:

product

Out[7]:

{'1001': {'name': 'Keyboard', 'price': 350, 'quantity': 10},

'1002': {'name': 'Mouse', 'price': 150, 'quantity': 20},

'1003': {'name': 'Monitor', 'price': 5000, 'quantity': 10},

'1004': {'name': 'CPU', 'price': 10000, 'quantity': 15},

'1005': {'name': 'Sound', 'price': 2000, 'quantity': 10},

'1006': {'name': 'Harddisk', 'price': 3000, 'quantity': 30},

'1007': {'name': 'RAM', 'price': 2000, 'quantity': 20},

'1008': {'name': 'Pendrive', 'price': 500, 'quantity': 30},

'1009': {'name': 'Memory card', 'price': 150, 'quantity': 30},

'10010': {'name': 'CD', 'price': 10, 'quantity': 50},

'10011': {'name': 'DVD', 'price': 200, 'quantity': 100},

'10012': {'name': 'Pen', 'price': 50, 'quantity': 100},

'10013': {'name': 'Touchpad', 'price': 4000, 'quantity': 20},

'10014': {'name': 'Graphics card', 'price': 4000, 'quantity': 20},

'10015': {'name': 'Charger', 'price': 600, 'quantity': 10},

'10016': {'name': 'Ethernet', 'price': 100, 'quantity': 50},

'10017': {'name': 'Coaxial cable', 'price': 400, 'quantity': 30},

'10018': {'name': 'fan', 'price': 500, 'quantity': 20},

'10019': {'name': 'notebook', 'price': 50, 'quantity': 50},

'10020': {'name': 'headphone', 'price': 550, 'quantity': 40},

'10021': {'name': 'earbuds', 'price': 5000, 'quantity': 40},

'10022': {'name': 'CN book', 'price': 800, 'quantity': 50},

'10023': {'name': 'Laptop', 'price': 30, 'quantity': 20},

'10024': {'name': 'Laptop', 'price': 50000, 'quantity': 40},

'10025': {'name': 'router', 'price': 3300, 'quantity': 30},

'10026': {'name': 'bluetooth', 'price': 900, 'quantity': 20},

'10027': {'name': 'switches', 'price': 5000, 'quantity': 30},

'10028': {'name': 'HUB', 'price': 3000, 'quantity': 30},

'10029': {'name': 'Phone', 'price': 20000, 'quantity': 30},

'10030': {'name': 'Mobile', 'price': 2000, 'quantity': 23}}

# Update inventory after purchase

In [11]:

**import** **time**

ch=1

**while**(ch):

ui\_id = str(input("Enter Product ID: "))

ui\_quant = int(input("Enter Product Quantity: "))

**if** product[ui\_id]['quantity'] >= ui\_quant **or** ui\_quant == 0: *#Check whether stock is available or not and user cannot be enter quantity zero*

print("----------------------------------------")

print("Product Name: ",product[ui\_id]['name'])

print("Product Price: ",product[ui\_id]['price'])

print("Billing Amount: ",product[ui\_id]['price']\*ui\_quant)

product[ui\_id]['quantity'] = product[ui\_id]['quantity']-ui\_quant

js = json.dumps(product) *#Update inventory after purchase*

fd = open("record.json","w")

fd.write(js)

fd.close()

uname = input("Enter your name: ") *#Take user input*

address = input("Enter your address: ")

order\_time = time.ctime()

sale[int(len(sale))+1] = {"user\_name" :uname, "address": address, "prod\_name" : product[ui\_id]['name'], "prod\_quant" : ui\_quant, "amount":product[ui\_id]['price']\*ui\_quant, "order\_time": order\_time}

js = json.dumps(sale)

fd = open("sales.json","w")

fd.write(js)

fd.close()

print("**\n**Successfully placed order!!!**\n** This is your bill:")

print("-------------BILL---------------")

print("Name: ",uname)

print("Address: ",address)

print("Ordered Time: ",order\_time)

print("--------------------------------")

print("Product Name: ",product[ui\_id]['name'])

print("Product Price: ",product[ui\_id]['price'])

print("Product Quantity: ",ui\_quant)

print("Billing Amount: ",product[ui\_id]['price']\*ui\_quant)

**else**:

print("Material shortage!!Please enter valid quantity.....")

ch=int(input("Want to continue press 1..."))

fd = open("record.json","r")

txt = fd.read()

fd.close()

Enter Product ID: 1002

Enter Product Quantity: 1

----------------------------------------

Product Name: Mouse

Product Price: 150

Billing Amount: 150

Enter your name: Abhishek

Enter your address: pune

Successfully placed order!!!

This is your bill:

-------------BILL---------------

Name: Abhishek

Address: pune

Ordered Time: Mon Sep 6 01:55:26 2021

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Product Name: Mouse

Product Price: 150

Product Quantity: 1

Billing Amount: 150

Want to continue press 1...0

In [12]:

fd = open("sales.json","r")

txt=fd.read()

fd.close()

sale=json.loads(txt)

sale

Out[12]:

{'1': {'user\_name': 'ASD',

'address': 'qq',

'prod\_name': 'Keyboard',

'prod\_quant': 1,

'amount': 350,

'order\_time': 'Mon Sep 6 01:21:24 2021'},

'2': {'user\_name': 'Abhishek',

'address': 'Pune',

'prod\_name': 'Mouse',

'prod\_quant': 2,

'amount': 300,

'order\_time': 'Mon Sep 6 01:23:45 2021'},

'3': {'user\_name': 'Sanket',

'address': 'Delhi',

'prod\_name': 'Monitor',

'prod\_quant': 1,

'amount': 5000,

'order\_time': 'Mon Sep 6 01:24:40 2021'},

'4': {'user\_name': 'Omkar',

'address': 'Solapur',

'prod\_name': 'CPU',

'prod\_quant': 3,

'amount': 30000,

'order\_time': 'Mon Sep 6 01:25:25 2021'},

'5': {'user\_name': 'Amit',

'address': 'Ahmednagar',

'prod\_name': 'CPU',

'prod\_quant': 2,

'amount': 20000,

'order\_time': 'Mon Sep 6 01:26:21 2021'},

'6': {'user\_name': 'Mahesh',

'address': 'Kolhapur',

'prod\_name': 'Printer',

'prod\_quant': 2,

'amount': 12000,

'order\_time': 'Mon Sep 6 01:26:55 2021'},

'7': {'user\_name': 'Nikhil',

'address': 'Dhule',

'prod\_name': 'Scanner ',

'prod\_quant': 2,

'amount': 8000,

'order\_time': 'Mon Sep 6 01:27:58 2021'},

'8': {'user\_name': 'Yogesh',

'address': 'Pune',

'prod\_name': 'Printer',

'prod\_quant': 2,

'amount': 12000,

'order\_time': 'Mon Sep 6 01:30:23 2021'},

'9': {'user\_name': 'Mandar',

'address': 'Satara',

'prod\_name': 'Printer',

'prod\_quant': 4,

'amount': 24000,

'order\_time': 'Mon Sep 6 01:30:56 2021'},

'10': {'user\_name': 'Abhi',

'address': 'Karjat',

'prod\_name': 'Printer',

'prod\_quant': 4,

'amount': 24000,

'order\_time': 'Mon Sep 6 01:31:16 2021'},

'11': {'user\_name': 'Abhishek',

'address': 'pune',

'prod\_name': 'Mouse',

'prod\_quant': 1,

'amount': 150,

'order\_time': 'Mon Sep 6 01:55:26 2021'}}

In [ ]: