Assignment 1

Techshop

Task1&2:

```
• Task does implementation by

• lask the amplementation by self, product dd)

print("Product line", self, product dd)

print("Product line", self, product name)

print("Product line", self, price)

def update product info(self, now price-rame, naw description=name):

if new price is not name:

elf, price = cew price

if new price is not name:

self, description = new description

print("Product information updated texcessfully.")

geroperty

def product same(self):

return self, product information

geroperty

def description(self):

return self, product name

groperty

def price(self):

return self, description

geroperty

def price(self):

return self, price
```

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• Tack! das implementationsy • Defines 2 10 processed of the transmission of transmission of the transmission of transmission of transmission of the transmission of transmission
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■ Tack1, description and of the control of the con
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* Smil_class implementationary > 4 Cross > 20 simulate pagement processing

of calculate_subtoral_(self):
    return (self, product_product_product_pagement_processing)

of get_order_detail_info(self):
    print("Order Detail_Info, self_order_detail_id)
    print("Order Detail_Info, self_order_detail_id)
    print("Order Detail_Info, self_order_detail_id)
    print("Orderity, self_orgentity)
    print("Orderity, self_orgentity)
    print("Orderity, self_orgentity)
    self_orderity = non-quantity
    self_orderity = non-quantity
    print("Quantity undered successfully-")

of add_discount(self_order_detail_id)

of order_detail_id(self):
    return self_order_detail_id

property
    of order_detail_id(self):
    return self_order

product(self):
    return self_order

property
    det discount(self):
    return self_discount

product(self):
    return self_order

discount(self):
    return self_discount

product(self):
    return self_discount
```

Implementation of methods:

Task(4,5,6):

```
cutomerspy *

cutomerspy >

pet instouer details(self, customer_id);

query, ""

sustcr *

sustcr *

sustcr *

cursor.execute(query, (customer_id,))

result - cursor.fetchone()

return result

def update_customer_info(self, customer_id, email, phone, address):

query = ""

supon customer_info(self, customer_id, email, phone, address):

query = ""

supon customer info(self, customer_id, email, phone, address):

try:

supon customer | D = So;

cursor.execute(query, (email, phone, address, customer_id))

conn.commit()

try:

sin_crustomer = Customer with mo invalid email invalid customer with mo invalid email invalid customer = Customer ("invalid cu
```

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• orderspy → • comes > ② add now under

| concerpt of comes > ② add now under
| concerpt of comes > ② add now under
| concerpt of comes | com
```

Input Methods:

```
customer handler = Customer handler,com')
total orders = customer handler,calculate total_orders(1)
print("Total orders",total_orders)

customer details = customer handler.get_customer_details(1)
print("Customer detail",customer_details)

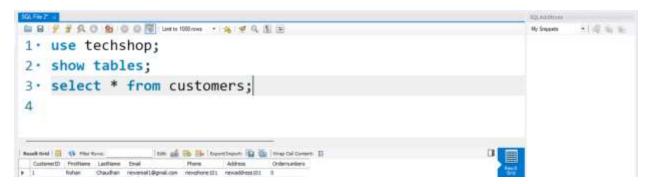
customer handler.update_customer_info(1, "newmorlingmail.com', "newphoneifit', "newaddressiffit')
print('information_updated')

commit()

commit()

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```

```
PS D:\Hexamore\Assignment\Assignment \Pythono & "C:/Program Files/Pythonoliz/python.com" "d:/Maximore/Assignment 1/Python/Customers.py"
From: Invalid email address provided.
Total order: 7
Customer detail (1, 'Wohan', 'chaudhari', 'novemail@gmail.com', 'novemboness', 'novemboness', 'novemail@gmail.com', 'no
```



INPUT METHODS:

```
PS D: Verceaure Versignment Versignment : I Pythono & "C: Program Files/Pythono, exe" "d: Mexamum / Assignment / Assignment : I Pythono & "C: Program Files/Pythono, exe" "d: Mexamum / Assignment / Assignment : I Pythono/products.py"

(1, "External stand drive", "Usdated new description", Decimal("199.99"), "Electronic Gadget")

updated

20

(1, "External stand drive", "Updated new description", Decimal("110.99"), "Electronic Gadget")

(2, "Wireless Wouter", "dual band router", Decimal("110.99"), "Electronic Gadget")

(3, "Tablet", "18- inch tablet with long battery", Decimal("210.99"), "Electronic Gadget")

(4, "Printer", "Wireless all- in-one printer", Decimal("210.99"), "Electronic Gadget")

(5, 'Mandyhomen, 'Incudence with Eluctronic (199.99"), "Electronic Gadget")

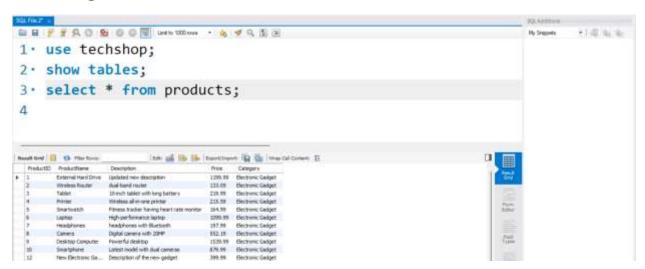
(6, 'Laptop', "High-performance Luptop', Decimal("199.99"), "Electronic Gadget")

(8, 'Gamera', 'Digital camera with 2009", Decimal("199.99"), "Electronic Gadget")

(9, 'Osciktop Computer", Powerful desktop ', Decimal("1559.99"), "Electronic Gadget")

(12, 'Now Electronic Gadget", 'Oscoription of the new gadget', Decimal("259.90"), "Electronic Gadget")

PS D: Verceauer Versignment Versignment 1/Pythono
```



Input Methods:

```
order_handler = Orders(181, 1, datetime.now(), 0)

Add u new Order
order_handler.add_new_order(product_id=11, quantity=1)

A set noder_datalls
order_datalls = order_handler.get_order_detalls()

A public order_status

F (uncol order
order_handler.undate_order_status(new_status='Shippen')

F (uncol order
order_handler.cancel_order()

print('Order Cancelled')

Conn.commit()

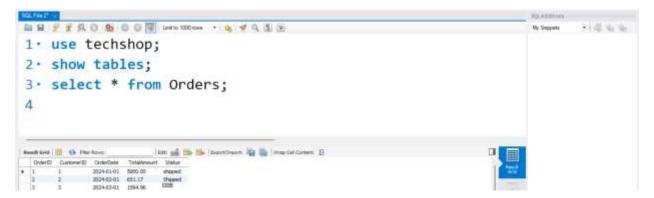
conn.commit()

conn.commit()

conn.close()

conn.close()
```

```
PS D: \Rocmmare\Assignment\Assignment 1\Python> & "C:/Program Files/Python312/python.eme" "di/Hennacre/Assignment Assignment 1\Python/unders.py"
Error: Product not available in sufficient quantity,
Order SB1 canceled.
Order SB1 canceled.
Order SB1 canceled.
Order Cancelled
Order SB1 processed successfully. Total Amount: 0
Order Processed
PS D:\Heomore\Assignment\Assignment 1\Python> .
```



Input methods:

```
order details handler = Orderbetails()
subtotal_amount = order_details_handler.calculate_subtotal(3)
print(subtotal_amount)

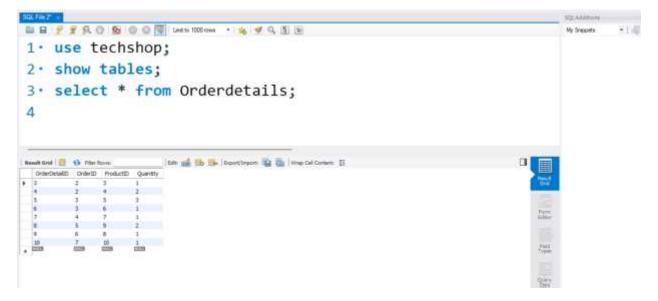
order_detail_infu = order_details_handler.get_order_detail_infu(3)
print(order_detail_infu)

order_details_handler.update_quantity(1, 5)
print('updated')

order_details_handler.add_discount(1, 10)
print('Information_updated')

conn.commit()
```

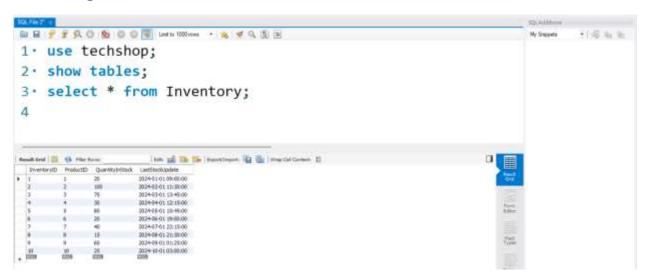
```
PS D:\Nocamero\Assignment\Assignment \Assignment 1\Pythono & "Ti/Pysgram Files/Pythonologo" "d:/Newsmann/Assignment/Assignment \Assignment \Assignment
```



Input methods:

```
Inventory_handler - Inventory()
product_info = inventory_hundler.get_product(1)
print(product_info)
quantity_in_stock = Inventory_handler.get_quantity_in_stock(1)
print(quantity_in_stock)
inventory handler add to inventory(1, 10)
print("removed from inventor
investory handler update stock quantity(1, 20)
availability_status = inventory_bandler.is_product_available(1, 15)
print(availability_status)
inventory value = inventory Mandler.get inventory value()
low_stock_products = inventory_handler.list_low_stock_products(10)
print(low_stock_products)
out of stock products - inventory handler list out of stock products() print(out of stock products)
all_products = Inventory_handler.list_all_products()
print(all products)
conv.comit()
cursor.close()
conn.close()
```

```
Processor Control Dissistance of States and Control Co
```



Task 7:

```
# databasepy *

# databasepy >

# databasepy >

# databasepy >

# local product Catalog Hanagement

# local product (product id, mes price, now description):

# try:

# local product (product id, mes price | %, Description | % MARE Product ID | %,

# local product (persy, (new price | %, Description | % MARE Product ID | %,

# core, commit()

# print("Product (persy, (new price | mes description, product id))

# core, commit()

# print("Product information opsized successfully.")

# resk a: Placing Customer orders

## print("From: (e)")

## cross : Placing Customer orders

## print("From: description as er

## print("From: description id, product id, quantity):

## try:

## cross product ovariability in inventory

## cursor-execute("Setted doubtley/instact inventory MERE Product ID la", (product Id,))

## available quantity < quantity:

## print("From: insufficient stack.")

## return

## anawor now date - datatism.nos() attrition("M- % old Dispublish")

## anawor now code - "mostal INIO orders (orderid, customerid, orderbate, Total Answell) VALLES (Ex, 2s, 2s, 2s)"

## cursor-execute(query insurt order, id)

## anawor now code id - SELECT LAST DOSHT ID():"

## cursor-execute(query pre, mes, order id)

## new order id - cursor. factoros([0])
```

```
databasepy *
    d
```

```
* detabasery *

    * Combusery >

    * Combusery
```

```
D = 10 ···
detabase.py
  alunahosp.py ?
                                                       If value data:
                                                                    print("Sales Report:")
                                                                          for row in sales_data:
    print(f orderID: (row[0]), Contoner: (row[1]) (row[2]), OrderSale: (row[3]), Totaliscount: (row[4])*)
                                                    print(firmer: (e)*)
                         inf update_customer_account(customer_id, new_email, new_phone):
                                                      # Update customer account details guery = "Lenate Customer S EF End | - No. Phone = No. Marill. Customer III = No. Phone = No. Phone
                                       comm.commit()
print("Customer account updated nuccessfully.")
except Exception as #:
                          orf search products(search criteria):
                                                     * Search for products based on Criteria

query = "SELECT * FROM Products WHEM Productwave LINE No UN Description LINE No

consor.coccute(query, (F.W(search_criteria)N*, f.W(search_criteria)N*))

search_result = consor.fetchall()
                                                                    print('Search mesults:')
for product in search_result:
                                                                                      print(product)
                                                                    print("No products found for the specified criteria.")
                 register_customer(13,"Noban)", "Chandharil", "Nobant@example.com", "1234750000")
                 s Task II Product Catalog Management
update_product(2, 150.8, "Upgraded speed upto 150mlps")
```

```
PS 0: Verxavare\Assignment\Assignment : VPythono & **Coloregen Films/Pythonit2/python.com** **Coloremate Assignment : VPythono & **Coloregen Films/Pythonit2/python.com** **Coloremate Assignment : VPythono/database, py**

troor: Duplicate essil address.

Product information updated successfully.

Order 10: status: shipped

Now product added to inventory successfully.

Sales Noport:

Order10: 12, Customer: Roban Chaudhari, OrderDate: 2020-12-19, TotalAmount: 0.00

Order10: 13, Customer: Roban Chaudhari, OrderDate: 2020-12-19, totalAmount: 0.00

Order10: 15, Customer: Roban Chaudhari, OrderDate: 2020-12-19, totalAmount: 0.00

Order10: 16, Customer: Roban Chaudhari, OrderDate: 2020-12-19, TotalAmount: 0.00

Order10: 17, Customer: Roban Chaudhari, OrderOate: 2020-12-19, TotalAmount: 0.00

Order10: 19, Customer: Roban Chaudhari, OrderOate: 2020-12-19, TotalAmount: 0.00

Order10: 19, Customer: Roban Chaudhari, OrderOate: 2020-12-23, TotalAmount: 0.00

Order10: 19, Customer: Roban Chaudhari, OrderOate: 2020-12-23, TotalAmount: 0.00

Order10: 29, Customer: Roban Chaudhari, OrderOate: 2020-12-23, TotalAmount: 0.00

Order10: 29, Customer: Roban Chaudhari, OrderOate: 2020-12-23, TotalAmount: 0.00

Order10: 29, Customer: Roban Chaudhari, OrderOate: 2020-12-23, TotalAmount: 0.00

Order10: 29, Customer: Roban Chaudhari, OrderOate: 2020-12-23, TotalAmount: 0.00

Order10: 29, Customer: Roban Chaudhari, OrderOate: 2020-12-23, TotalAmount: 0.00

Order10: 29, Customer: Roban Chaudhari, OrderOate: 2020-12-23, TotalAmount: 0.00

Order10: 29, Customer: Roban Chaudhari, OrderOate: 2020-12-23, TotalAmount: 0.00

Order10: 29, Customer: Roban Chaudhari, OrderOate: 2020-12-23, TotalAmount: 0.00

Order10: 29, Customer: Roban Chaudhari, OrderOate: 2020-12-23, TotalAmount: 0.00

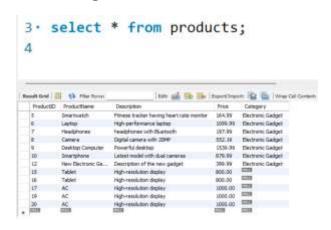
Order10: 29, Customer: Roban Chaudhari, OrderOate: 2020-12-23, TotalAmount: 0.00

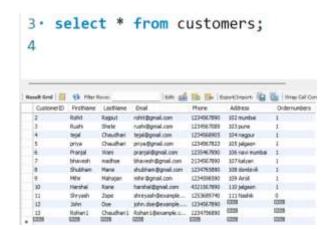
Order10: 29, Customer: Roban Chaudhari, OrderOate: 2020-12-23, TotalAmount: 0.00

Order10: 20, Customer: Roban Chaudhari, OrderOate: 2020-12-23, TotalAmount: 0.00

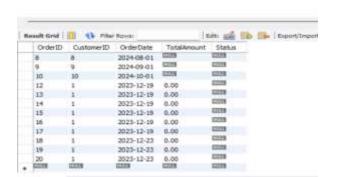
Order10: 20, Customer
```

DB Changes:

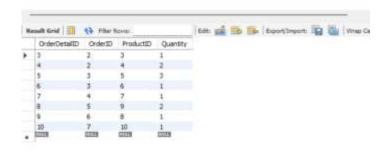




3 * select * from orders;



3 * select * from orderdetails;
4



3 * select * from inventory; 4 Edit: 🌃 🕦 🛗 Export/Import: 📳 InventoryID ProductID QuantityInStock LastStockUpdate 2024-01-01 09:00:00 100 2024-02-01 11:30:00 2024-03-01 13:45:00 75 2024-04-01 12:15:00 30 an 2024-05-01 15:45:00 20 2024-06-01 19:00:00 40 2024-07-01 22:15:00 15 2024-08-01-21:30:00 2024-09-01.01:25:00 2024-10-01-03:00:00