Sample Input 1:

Logistic Inventory Management System:
1. Place an Order
2. Return a Product
3. View Current Stock and Orders
4. Exit
Please select an option (1-4): 1
Please enter your name: James
Please enter your phone number: 9900011991
Please enter city(Delhi, Bangalore or Mumbai): bangalore
Please enter your pincode (Delhi(110001), Bangalore(560001), or Mumbai(400001) only): 560001
Available products:
1. Laptop - Price: 800
2. Mobile - Price: 300
3. TV - Price: 600
4. Ice Cream - Price: 5
5. Cake - Price: 10
6. Chips - Price: 2
7. Washing Machine - Price: 400
Please select a product (1-7): 1
Please enter the quantity of Laptop you want to order: 2
Do you want fast delivery? (yes/no): yes
Do you want to add a gifting option? (yes/no): yes
Please select a payment mode (online/COD): COD

Invoice:
Product: Laptop (Quantity: 2)
Original Price: $800
Discount Applied: 80.0 (10%)
Shipping Charges: $15.0
Train Base Cost: $15
Special Delivery Comments:(Train transport)
Returnable: Yes (Return Duration: 30 days)
Fragile Cost: $50
Gifting Cost: $100
Payment Mode: cod
COD Charge: $50
Total Cost: $1605.0

Do you want to add more items to your order? (yes/no): no

Logistic Inventory Management System:
1. Place an Order
2. Return a Product
3. View Current Stock and Orders
4. Exit
Please select an option (1-4): 3
View Current Stock and Orders

Current Stocks:

Warehouse: Warehouse A - Delhi (Pincode: 110001)
Laptop: 50 units available
Mobile: 100 units available
TV: 30 units available
Chips: 500 units available

Warehouse: Warehouse B - Mumbai (Pincode: 400001)
Laptop: 30 units available
Mobile: 60 units available
TV: 40 units available
Cake: 100 units available

Warehouse: Warehouse C - Bangalore (Pincode: 560001)
Laptop: 38 units available
Mobile: 80 units available
TV: 50 units available
Ice Cream: 200 units available

Orders:

Order 1:
Customer Name: Sneha
Product: Laptop (Quantity: 2)
Total Cost: $1605.0
Transport Mode: Train
Payment Mode: cod
Gifting Option: Yes

Logistic Inventory Management System:
1. Place an Order
2. Return a Product
3. View Current Stock and Orders
4. Exit

Please select an option (1-4): 2
Return Existing Product
List of orders:
1. Order 1 - Product: Laptop (Quantity: 2) - Total Cost: $1605.0
Please select an order to return (1-n): 1
Product return initiated successfully! Here is your return invoice:

Return Invoice:
Order Number: 1
Product Name: Laptop
Quantity Returned: 2
Return Shipping Charges: $15.0
Train Base Cost: $15
Train Per KM Cost: $1 per km
Train Per KG Cost: $0.2 per kg
Train Per Cubic Meter Cost: $0.6 per cubic meter
Total Return Cost: $15.0

Logistic Inventory Management System:
1. Place an Order
2. Return a Product
3. View Current Stock and Orders
4. Exit
Please select an option (1-4): 3
View Current Stock and Orders

Current Stocks:

Warehouse: Warehouse A - Delhi (Pincode: 110001)
Laptop: 50 units available
Mobile: 100 units available
TV: 30 units available
Chips: 500 units available

Warehouse: Warehouse B - Mumbai (Pincode: 400001)
Laptop: 30 units available
Mobile: 60 units available
TV: 40 units available
Cake: 100 units available

Warehouse: Warehouse C - Bangalore (Pincode: 560001)
Laptop: 40 units available
Mobile: 80 units available

TV: 50 units available
Ice Cream: 200 units available

Orders:

Order 1:
Customer Name: Sneha
Product: Laptop (Quantity: 2)
Total Cost: $1605.0
Transport Mode: Train
Payment Mode: cod
Gifting Option: Yes

Logistic Inventory Management System:
1. Place an Order
2. Return a Product
3. View Current Stock and Orders
4. Exit
Please select an option (1-4): 4
Thank you for using our service! Goodbye.

Sample Input 2:

Logistic Inventory Management System:
1. Place an Order
2. Return a Product
3. View Current Stock and Orders
4. Exit
Please select an option (1-4): 1
Please enter your name: Sneha
Please enter your phone number: 991653522
Invalid phone number! Please enter a valid 10-digit phone number.
Please enter your phone number: 9900123144
Please enter city(Delhi, Bangalore or Mumbai): Delhi
Please enter your pincode (Delhi(110001), Bangalore(560001), or Mumbai(400001) only):
110001
Available products:
1. Laptop - Price: 800
2. Mobile - Price: 300
3. TV - Price: 600
4. Ice Cream - Price: 5

5. Cake - Price: 10
6. Chips - Price: 2
7. Washing Machine - Price: 400
Please select a product (1-7): 1
Please enter the quantity of Laptop you want to order: 1
Do you want fast delivery? (yes/no): yes
Do you want to add a gifting option? (yes/no): yes
Please select a payment mode (online/COD): COD

Invoice:
Product: Laptop (Quantity: 1)
Original Price: $800
Discount Applied: 80.0 (10%)
Shipping Charges: $1350030.0
Plane Base Cost: $30
Special Delivery Comments:(Plane transport)
Returnable: Yes (Return Duration: 30 days)
Fragile Cost: $50
Gifting Cost: $100
Payment Mode: cod
COD Charge: $50
Total Cost: $1350900.0

Do you want to add more items to your order? (yes/no): no

Logistic Inventory Management System:
1. Place an Order
2. Return a Product
3. View Current Stock and Orders
4. Exit
Please select an option (1-4): 4
Thank you for using our service! Goodbye.