Assignment no. 04

Courier Management System

Output :-

1. Check Order Status.

```
Courier System Menu:
1. Place Courier Order
2. Check Order Status
3. Cancel Courier Order
4. Get Assigned Orders (Courier Staff)
5. Add Courier Service (Admin)
6. Exit
Enter your choice: 2
Enter tracking number: TN789012
Order Status: In Transit
```

2. Cancel Courier Order.

```
Courier System Menu:
1. Place Courier Order
2. Check Order Status
3. Cancel Courier Order
4. Get Assigned Orders (Courier Staff)
5. Add Courier Service (Admin)
6. Exit
Enter your choice: 3
Enter tracking number to cancel: TN789012
Order canceled successfully.
```

3. Get infomartion about orders assigned to staff.

```
Courier System Menu:
1. Place Courier Order
2. Check Order Status
3. Cancel Courier Order
4. Get Assigned Orders (Courier Staff)
5. Add Courier Service (Admin)
6. Exit
Enter your choice: 4
Enter courier staff ID: 1
Assigned Orders: ['123456', '789012']
```

4. Task 1.

```
PS C:\Users\Vishal Jha\Desktop\courier_management_system> pyt
Courier assigned for shipment 1
Courier assigned for shipment 2
Courier assigned for shipment 3
Enter username: Raj Sharma
Enter password: password123
Enter user type (employee/customer): customer
Invalid username or password.
Medium parcel
The order has been delivered.
```

5. Task 2.

```
PS C:\Users\Vishal Jha\Desktop\courier_management_system> python -u "
Courier is on the way to the destination...
Courier location: 10 km
Courier location: 20 km
Courier location: 26 km
Courier location: 29 km
Courier location: 30 km
Courier location: 36 km
Courier location: 37 km
Courier location: 40 km
Courier location: 41 km
Courier location: 44 km
Courier location: 48 km
Courier location: 54 km
Courier location: 58 km
Courier location: 60 km
Courier location: 65 km
Courier location: 69 km
Courier location: 70 km
Courier location: 79 km
Courier location: 86 km
Courier location: 93 km
Courier location: 101 km
Courier has reached the destination.
PS C:\Users\Vishal Jha\Desktop\courier_management_system>
```

6. Address Formating.

```
PS C:\Users\Vishal Jha\Desktop\courier_management_system> pytho
Formatted Address: 123 Main St, Mumbai City, Mh 12345
PS C:\Users\Vishal Jha\Desktop\courier_management_system>
```

7. Calculate Shipping Costs.

```
PS C:\Users\Vishal Jha\Desktop\courier_management_system> pyt
Source Address: Mumbai
Destination Address: Bangalore
Shipping Cost: 2500.0
PS C:\Users\Vishal Jha\Desktop\courier_management_system>
```

8. Order Confirmation Mail.

```
PS C:\Users\Vishal Jha\Desktop\courier_management_system> python -u
Order Confirmation Email:
 Dear Vishal,

Order Number: TN123456
Delivery Address: 123 Main St, Mumbai, MH-12345
Expected Delivery Date: 2023-12-31

Thank you for choosing our courier service!
PS C:\Users\Vishal Jha\Desktop\courier_management_system>
```

9. Parcel Tracking.

```
PS C:\Users\Vishal Jha\Desktop\courier_management_system> python -u
Enter parcel tracking number: TN1234
Tracking Number: TN1234, Status: Parcel out for delivery
PS C:\Users\Vishal Jha\Desktop\courier_management_system>
```

10. Password Generator.

```
PS C:\Users\Vishal Jha\Desktop\courier_management_system> python -u "c:\Users
Generated Password: UNXe},*+L-JI
PS C:\Users\Vishal Jha\Desktop\courier_management_system>
```

11. Customer Data Validation.

```
PS C:\Users\Vishal Jha\Desktop\courier_management_system> python -u "
Name Valid: False, Address Valid: True, Phone Valid: True
PS C:\Users\Vishal Jha\Desktop\courier_management_system> python -u "
Name Valid: True, Address Valid: True, Phone Valid: True
PS C:\Users\Vishal Jha\Desktop\courier_management_system>
```

12. Similar Address.

```
PS C:\Users\Vishal Jha\Desktop\courier_management_system> python -u "c:
Similar Addresses: ['123 Main St']
PS C:\Users\Vishal Jha\Desktop\courier_management_system> python -u "c:
Similar Addresses: []
PS C:\Users\Vishal Jha\Desktop\courier_management_system>
```

13. Place Courier Order.

```
Courier System Menu:
1. Place Courier Order
2. Check Order Status
3. Cancel Courier Order
4. Get Assigned Orders (Courier Staff)
5. Add Courier Service (Admin)
6. Exit
Enter your choice: 1
Enter sender name: Vishal
Enter sender address: Mumbai
Enter receiver name: Arbaz
Enter receiver address: Bangalore
Enter weight: 5
Enter delivery date (YYYY-MM-DD): 2023-12-31
```

14. Exiting the System.

```
Courier System Menu:
1. Place Courier Order
2. Check Order Status
3. Cancel Courier Order
4. Get Assigned Orders (Courier Staff)
5. Add Courier Service (Admin)
6. Exit
Enter your choice: 6
Exiting Courier System. Goodbye!
PS C:\Users\Vishal Jha\Desktop\courier_management_system>
```