```
#  Step 1: Define Classes
class Customer:
    """Represents a customer who places an order."""
    def __init__(self, customer_id, name, contact_info, address):
        """Initialize Customer attributes."""
        self.customer_id = customer_id
        self.name = name
        self.contact_info = contact_info
        self.address = address

class Order:
    """Represents an order placed by a customer."""
    def __init__(self, order_number, order_date, items, total_cost, status):
        """Initialize Order attributes."""
        self.order_number = order_number
        self.order_date = order_date
        self.items = items
        self.total_cost = total_cost
        self.status = status

class DeliveryNote:
    """Represents a delivery note generated for an order."""
    def __init__(self, note_number, order, date_issued, delivery_method, delivery_status):
        """Initialize DeliveryNote attributes."""
        self.note_number = note_number
        self.order = order
        self.date_issued = date_issued
        self.delivery_method = delivery_method
        self.delivery_status = delivery_status

class Notification:
```

```
    """Represents a notification sent to the customer about an order update."""
    def __init__(self, notification_id, message, date_sent, recipient):
        """Initialize Notification attributes."""
        self.notification_id = notification_id
        self.message = message
        self.date_sent = date_sent
        self.recipient = recipient

#  Step 2: Create Objects
customer = Customer(1001, "Shaikha Rashed", "shaikha@example.com", "Dubai, UAE")

order = Order(
    order_number=5001,
    order_date="2025-03-01",
    items=["Camera", "Tripod", "Memory Card"],
    total_cost=3200.75,
    status="Shipped"
)

delivery_note = DeliveryNote(
    note_number=2001,
    order=order,
    date_issued="2025-03-02",
    delivery_method="Courier",
    delivery_status="Out for Delivery"
)

notification = Notification(
    notification_id=3001,
    message="Your order is out for delivery!",
    date_sent="2025-03-02",
```

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    recipient="shaikha@example.com"
)

#  Step 3: Generate and Display Delivery Note
def generate_delivery_note():
    """Displays a formatted delivery note using object data."""

    print("=" * 40)
    print("          DELIVERY NOTE")
    print("=" * 40)

    # Delivery note details
    print(f"Delivery Note Number: {delivery_note.note_number}")
    print(f"Date Issued: {delivery_note.date_issued}")
    print(f"Delivery Method: {delivery_note.delivery_method}")
    print(f"Delivery Status: {delivery_note.delivery_status}")

    # Customer details
    print("\nCustomer Details:")
    print(f"Name: {customer.name}")
    print(f"Contact: {customer.contact_info}")
    print(f"Address: {customer.address}")

    # Order details
    print("\nOrder Details:")
    print(f"Order Number: {order.order_number}")
    print(f"Order Date: {order.order_date}")
    print(f"Items: {', '.join(order.items)}")
    print(f"Total Cost: AED {order.total_cost:.2f}")
    print(f"Order Status: {order.status}")
```

```
    # Notification details
    print("\nNotification Sent:")
    print(f"Message: {notification.message}")
    print(f"Date Sent: {notification.date_sent}")

    print("=" * 40)

#  Step 4: Call the function to display the delivery note
generate_delivery_note()
```