

In [5]: `import pandas as pd`

```
# Step 1: Create a DataFrame with sample E-commerce transaction data
data = {
    'Order_ID': [101, 102, 103, 104, 105],
    'Customer_Name': ['Alice', 'Bob', 'Charlie', 'David', 'Evelyn'],
    'Product': ['Laptop', 'Headphones', 'Smartphone', 'Tablet', 'SmartWatch'],
    'Price': [800, 50, 600, 300, 150],
    'Quantity': [1, 2, 1, 1, 1]
}

df = pd.DataFrame(data)
print("Original DataFrame:")
print(df)

# Step 2: Add a new column 'Order_Status'
df['Order_Status'] = ['Shipped', 'Pending', 'Delivered', 'Shipped', 'Delivered']

# Step 3: Add multiple columns 'Shipping_Partner' and 'Review_Rating'
df['Shipping_Partner'] = ['FedEx', 'DHL', 'UPS', 'Amazon Logistics', 'Blue Dart']
df['Review_Rating'] = [4.5, 4.0, 3.8, 4.2, 4.7]

# Step 4: Add 'Payment_Method' column at index 2
payment_methods = ['Credit Card', 'PayPal', 'Debit Card', 'Net Banking', 'UPI']
df.insert(2, 'Payment_Method', payment_methods)

# Step 5: Delete the 'Review_Rating' column
df.drop('Review_Rating', axis=1, inplace=True)

# Final output
print("\nUpdated DataFrame:")
print(df)
```

Original DataFrame:

| | Order_ID | Customer_Name | Product | Price | Quantity |
|---|----------|---------------|------------|-------|----------|
| 0 | 101 | Alice | Laptop | 800 | 1 |
| 1 | 102 | Bob | Headphones | 50 | 2 |
| 2 | 103 | Charlie | Smartphone | 600 | 1 |
| 3 | 104 | David | Tablet | 300 | 1 |
| 4 | 105 | Evelyn | SmartWatch | 150 | 1 |

Updated DataFrame:

| | Order_ID | Customer_Name | Payment_Method | Product | Price | Quantity | \ |
|---|----------|---------------|----------------|------------|-------|----------|---|
| 0 | 101 | Alice | Credit Card | Laptop | 800 | 1 | |
| 1 | 102 | Bob | PayPal | Headphones | 50 | 2 | |
| 2 | 103 | Charlie | Debit Card | Smartphone | 600 | 1 | |
| 3 | 104 | David | Net Banking | Tablet | 300 | 1 | |
| 4 | 105 | Evelyn | UPI | SmartWatch | 150 | 1 | |

| | Order_Status | Shipping_Partner |
|---|--------------|------------------|
| 0 | Shipped | FedEx |
| 1 | Pending | DHL |
| 2 | Delivered | UPS |
| 3 | Shipped | Amazon Logistics |
| 4 | Delivered | Blue Dart |