Create an E-commerce Sales DataFrame

1. Create a DataFrame with Sample E-commerce Transaction Data
2. Add a New Column (Order_Status)

Manually add a new column named Order_Status with values:

"Shipped"

"Pending"

"Delivered"

1. Add Multiple Columns (Shipping_Partner & Review_Rating)

Shipping_Partner: Assign one of the following values:

'FedEx', 'DHL', 'UPS', 'Amazon Logistics', 'Blue Dart'

Review_Rating: Assign values:

4.5, 4.0, 3.8, 4.2, 4.7

1. Add a Column at a Specific Index (Payment_Method at Index 2)

Insert a new column Payment_Method at index 2 with values:

'Credit Card'

'PayPal'

'Debit Card'

'Net Banking'

'UPI'

1. Delete the Review_Rating Column

Remove the Review_Rating column from the DataFrame.

```
import pandas as pd

data = {'Order_ID': [1001, 1002, 1003, 1004, 1005],
        'Customer_ID': [201, 202, 203, 204, 205],
        'Product_Name': ['Laptop', 'Tablet', 'Smartphone',
'Headphones', 'Smartwatch'],
        'Quantity': [1, 2, 1, 3, 1],
        'Price': [1200, 300, 500, 150, 250]}
df = pd.DataFrame(data)

print(df)
```

```
   Order_ID  Customer_ID Product_Name  Quantity  Price
0      1001          201       Laptop         1   1200
1      1002          202       Tablet         2    300
2      1003          203   Smartphone         1    500
3      1004          204   Headphones         3    150
4      1005          205   Smartwatch         1    250
```

```
df['Order_Status'] = ['Shipped', 'Pending', 'Delivered', 'Shipped',
'Pending']
print(df)
```

```
   Order_ID  Customer_ID Product_Name  Quantity  Price Order_Status
0      1001          201       Laptop         1   1200      Shipped
1      1002          202       Tablet         2    300      Pending
2      1003          203   Smartphone         1    500    Delivered
3      1004          204   Headphones         3    150      Shipped
4      1005          205   Smartwatch         1    250      Pending
```

```
df['Shipping_Partner'] = ['FedEx', 'DHL', 'UPS', 'Amazon Logistics',
'Blue Dart']
df['Review_Rating'] = [4.5, 4.0, 3.8, 4.2, 4.7]
print(df)
```

```
   Order_ID  Customer_ID Product_Name  Quantity  Price Order_Status  \
0      1001          201       Laptop         1   1200      Shipped
1      1002          202       Tablet         2    300      Pending
2      1003          203   Smartphone         1    500    Delivered
3      1004          204   Headphones         3    150      Shipped
4      1005          205   Smartwatch         1    250      Pending
```

```
   Shipping_Partner  Review_Rating
0             FedEx            4.5
1               DHL            4.0
2               UPS            3.8
3  Amazon Logistics            4.2
4         Blue Dart            4.7
```

```
df.insert(2, 'Payment_Method', ['Credit Card', 'PayPal', 'Debit Card',
'Net Banking', 'UPI'])
print(df)
```

```
   Order_ID  Customer_ID Payment_Method Product_Name  Quantity  Price
\
0      1001          201    Credit Card       Laptop         1   1200

1      1002          202         PayPal       Tablet         2    300

2      1003          203     Debit Card   Smartphone         1    500

3      1004          204    Net Banking   Headphones         3    150
```

```
4      1005          205            UPI   Smartwatch          1    250


  Order_Status  Shipping_Partner  Review_Rating
0      Shipped             FedEx            4.5
1      Pending               DHL            4.0
2    Delivered               UPS            3.8
3      Shipped  Amazon Logistics            4.2
4      Pending         Blue Dart            4.7

df.drop('Review_Rating', axis=1, inplace=True)
print(df)

   Order_ID  Customer_ID Payment_Method Product_Name  Quantity  Price
\
0      1001          201    Credit Card       Laptop          1   1200

1      1002          202         PayPal       Tablet          2    300

2      1003          203     Debit Card   Smartphone          1    500

3      1004          204    Net Banking   Headphones          3    150

4      1005          205            UPI   Smartwatch          1    250


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