In [1]:
```
#Importing Libraries
import pandas as pd
import numpy as np

import warnings
warnings.filterwarnings('ignore')
```

In [2]:
```
#Importing the dataset in to Python
Data_retail = pd.read_csv('c://Users//Chitra//Desktop//Project//Data_retail.csv')
```

In [3]:
```
Data_retail.shape
```

Out[3]:
```
(5000, 15)
```

In [4]:
```
Data_retail.columns
```

Out[4]:
```
Index(['Product ID', 'Product Name', 'Category', 'Stock Quantity', 'Supplier',
       'Discount', 'Rating', 'Reviews', 'SKU', 'Warehouse', 'Return Policy',
       'Brand', 'Supplier Contact', 'Placeholder', 'Price'],
      dtype='object')
```

In [5]:
```
# Data cleaning on column headers
Data_retail.columns=Data_retail.columns.str.replace(' ','_')
Data_retail.columns=Data_retail.columns.str.lower()
Data_retail.columns
```

Out[5]:
```
Index(['product_id', 'product_name', 'category', 'stock_quantity', 'supplier',
       'discount', 'rating', 'reviews', 'sku', 'warehouse', 'return_policy',
       'brand', 'supplier_contact', 'placeholder', 'price'],
      dtype='object')
```

In [6]:
```
# Checking the Datatypes for available fields
Data_retail.dtypes
```

Out[6]:
```
product_id           int64
product_name        object
category            object
stock_quantity       int64
supplier            object
discount           float64
rating             float64
reviews              int64
sku                 object
warehouse           object
return_policy       object
brand               object
supplier_contact     int64
placeholder          int64
price              float64
dtype: object
```

In [7]:
```
# Checking for missing values
Data_retail.isnull().sum()
```

Out[7]:
```
product_id          0
product_name        0
category            0
stock_quantity      0
supplier            0
discount            0
rating              0
reviews             0
sku                 0
warehouse           0
return_policy       0
brand               0
supplier_contact    0
placeholder         0
price               0
dtype: int64
```

In [8]:
```
#Rounding of the numeric values
Data_retail['discount']=round(Data_retail['discount'],2)
```

In [9]:
```
Data_retail['rating']=round(Data_retail['rating'],2)
```

In [10]:
```
Data_retail['price']=round(Data_retail['price'],2)
```

In [11]:
```
Data_retail
```

Out[11]:

	product_id	product_name	category	stock_quantity	supplier	discount	rating	reviews	s
0	1	Product C	Home	83	Supplier Z	17.92	2.64	66	SKU0
1	2	Product A	Electronics	45	Supplier Y	1.03	3.02	51	SKU0
2	3	Product C	Home	79	Supplier Z	4.85	4.87	5	SKU0
3	4	Product C	Electronics	80	Supplier Y	14.53	3.65	9	SKU0
4	5	Product A	Home	2	Supplier Z	32.99	4.62	37	SKU0
...	...	...	...	...	...	...	...	...	
4995	4996	Product A	Home	25	Supplier X	22.91	4.90	37	SKU0
4996	4997	Product B	Electronics	25	Supplier X	36.06	1.47	0	SKU0
4997	4998	Product C	Clothing	4	Supplier Y	21.67	4.09	83	SKU0
4998	4999	Product B	Clothing	4	Supplier Z	39.66	2.47	4	SKU0
4999	5000	Product A	Home	9	Supplier X	33.08	4.46	43	SKU0

5000 rows × 15 columns

In [12]:
```
#Loading the dataset in to sql server
import sqlalchemy
import pyodbc, os
```

In [13]:
```
import platform
print(platform.node())
```

```
DESKTOP-84H1QFD
```

In [14]:
```
import socket
socket.gethostname()
```

Out[14]:
```
'DESKTOP-84H1QFD'
```

In [15]:
```
pyodbc.drivers()
```

Out[15]:
```
['SQL Server',
 'SQL Server Native Client 11.0',
 'ODBC Driver 11 for SQL Server',
 'Microsoft Access Driver (*.mdb, *.accdb)',
 'Microsoft Excel Driver (*.xls, *.xlsx, *.xlsm, *.xlsb)',
 'Microsoft Access dBASE Driver (*.dbf, *.ndx, *.mdx)',
 'Microsoft Access Text Driver (*.txt, *.csv)']
```

In [16]:
```
engine = sqlalchemy.create_engine('mssql://DESKTOP-84H1QFD\SQLEXPRESS/project?driver=C
conn = engine.connect()
```

In [69]:
```
Data_retail.to_sql('Data_retail',con = conn,if_exists = 'append',index = False)
```

Out[69]:
```
-1
```

In [68]:
```
#Loading the dataset in excel
Data_retail.to_excel('c://Users//Chitra//Desktop//detail.xlsx',index = False)
```