MySQL V/S Python

Lets get the same output using MySQL & Python

Part - 4

(Ascending & Decending)

Query 4 ⋮

▶ Run ☐ Limit 100 Format ⟲ View history

```
1  SELECT * FROM prateek1995.umazon_base_data
2  Order by year_id
3  limit 5;
```

✓ Succeeded in 1s

Data Fields Source

🔗 ⬇ Export Copy

	year id	merchant category	buyer category	departments	volume	revenue	transaction count	asp
1	2014	Unverified Merchant	Guest	Movies, Music and Games	-195.59	28.6	24	-8.1496
2	2014	Very HIGH Volume	One-and-Done	Clothing and Shoes	142136.04	4403.07	275	516.8583
3	2014	MEDIUM Volume	Super Engaged	Sports and Outdoors	20733354.01	751838.97	139536	148.5878
4	2014	Very LOW Volume	Low Engaged	Other	570.17	24.55	281	2.0291
5	2014	Very LOW Volume	Guest	Books	839179.46	30726.21	17538	47.8492

Query 4 ⋮

▶ Run ☐ Limit 100 Format ⟲ View history

```
1  SELECT * FROM prateek1995.umazon_base_data
2  Order by year_id DESC
3  limit 5;
```

● Ready

Data Fields Source

🔗 ⬇ Export Copy

	year id	merchant category	buyer category	departments	volume	revenue	transaction count	asp
1	2017	NEW	Very Engaged	Books	15651571.46	642527.84	452336	34.6016
2	2017	LOW Volume	Low Engaged	Clothing and Sho...	20281539.29	684247.7	120784	167.9158
3	2017	Unverified Merchant	Guest	Home and Garden	73.75	2.44	1	73.75
4	2017	Very LOW Volume	Medium Engaged	Automotive	474318.2	13312.62	12719	37.2921
5	2017	Non Merchant	Guest	Clothing and Sho...	16624413.23	531147.49	67694	245.5818

▾ Python V/S MySQL

Part - 4

(order by Ascending) & (order by Decending)

```
[15] #Importing Libraries

     import pandas as pd
```

```
[16] # Mount Google drive

     from google.colab import drive
     drive.mount('/content/drive')
```

Drive already mounted at /content/drive; to attempt to forcibly remount, call drive.mount("/content/drive", force_remount=True).

```
#Importing Data

data = pd.read_csv("/content/drive/MyDrive/Colab Notebooks/Umazon - base data.csv")

data.head(5)
```

	year_id	Merchant_Category	Buyer_Category	Departments	Volume	Revenue	Transaction_Count	ASP
0	2017	Unverified Merchant	Guest	Home and Garden	73.75	2.44	1	73.750000
1	2015	Very HIGH Volume	NEW	Automotive	78650.38	2090.57	1680	46.815702
2	2015	LOW Volume	Casual Buyer	Automotive	95243.26	3460.24	2036	46.779597
3	2016	MEDIUM Volume	Guest	Home and Garden	20617.46	761.81	5396	3.820878
4	2016	HIGH Volume	One-and-Done	Movies, Music and Games	4803059.16	160582.97	23455	204.777624

```
[25] # sql- select age from table  order by age asc

data.sort_values('year_id').head(5)
```

	year_id	Merchant_Category	Buyer_Category	Departments	Volume	Revenue	Transaction_Count	ASP
972	2014	LOW Volume	Medium Engaged	Movies, Music and Games	4.510240e+07	1563730.28	441534	102.149315
982	2014	Very HIGH Volume	Getting Engaged	Sports and Outdoors	5.879268e+06	165840.26	21850	269.074028
983	2014	LOW Volume	Guest	Digital Games and Software	3.050434e+08	10451599.47	4149467	73.513874
984	2014	Very LOW Volume	NEW	Electronics and Computers	2.265586e+04	907.50	917	24.706499
2340	2014	MEDIUM Volume	Medium Engaged	Home and Garden	9.708970e+06	338959.72	175138	55.436111

```
[24] # sql- select age from table  order by age desc

data.sort_values('year_id',ascending=False).head(5)
```

	year_id	Merchant_Category	Buyer_Category	Departments	Volume	Revenue	Transaction_Count	ASP
0	2017	Unverified Merchant	Guest	Home and Garden	73.75	2.44	1	73.750000
1683	2017	MEDIUM Volume	Getting Engaged	Electronics and Computers	11457624.88	419719.20	232702	49.237329
1703	2017	Inactive Merchant	Getting Engaged	Sports and Outdoors	4355.57	80.10	49	88.889184
1700	2017	MEDIUM Volume	Guest	Other	82.66	3.24	332	0.248976
1699	2017	NEW	Guest	Movies, Music and Games	52815.41	1151.92	1287	41.037615