MySQL V/S Python

Lets get the same output using
MySQL & Python

Part - 3

(Top & Bottom Rows)

Python V/S MySQL

Part - 3

(Viewing N no. of top rows) & (Viewing N no. of bottom rows)

```python
[10] #Importing Libraries

     import pandas as pd
```

```python
[11] # 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).

```python
[12] #Importing Data

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

```
[15] # sql- select top  5 rows  from table

     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

```
# sql- select Bottom  5 rows  from table

data.tail(5)
```

	year_id	Merchant_Category	Buyer_Category	Departments	Volume	Revenue	Transaction_Count	ASP
3491	2016	Very LOW Volume	Guest	Digital Games and Software	3.932780e+04	1358.68	8288	4.745150
3492	2014	Inactive Merchant	Casual Buyer	Books	6.594290e+03	523.73	310	21.271903
3493	2014	Inactive Merchant	Guest	Digital Games and Software	5.058460e+03	822.68	3352	1.509087
3494	2017	Non Merchant	NEW	Books	2.047489e+08	7669601.46	3662473	55.904539
3495	2017	NEW	Guest	Clothing and Shoes	2.757970e+04	262.47	164	168.168902

Query 3

▶ Run   ☐ Limit 100   Format   ↻ View history   ⚙

```sql
1  select row_number()over(order  by year_id ASC) as row_number ,*
2  from prateek1995.umazon_base_data
3  LIMIT 5
4
5
```

● Ready

Data   Fields   Source   🔗 ↓ Export   Copy

	row number	year id	merchant category	buyer category	departments	volume	revenue	transaction count	asp
1	1	2014	Unverified Merchant	Low Engaged	Movies, Music and Games	6150.6	87.4	81	75.9333
2	2	2014	Unverified Merchant	NEW	Books	9129.89	315.54	97	94.1226
3	3	2014	?	One-and-Done	Digital Games and Softwa...	997.99	62.51	38	26.2629
4	4	2014	HIGH Volume	Merchant	Clothing and Shoes	41627478.36	1179293.4	52686	790.1051
5	5	2014	LOW Volume	Low Engaged	Sports and Outdoors	16572426.31	575121.26	128899	128.5691

Query 3

▶ Run   ☐ Limit 100   Format   ↻ View history   ⚙

```sql
1  select row_number()over(order  by year_id ASC) as row_number ,*
2  from prateek1995.umazon_base_data
3  order by row_number desc
4  LIMIT 5
5
```

● Ready

Data   Fields   Source   🔗 ↓ Export   Copy

	row number	year id	merchant category	buyer category	departments	volume	revenue	transaction count	asp
1	3496	2017	NEW	Merchant	Appstore	62543.31	947.84	767	81.5428
2	3495	2017	Very LOW Volume	NEW	Clothing and Shoes	970715.98	32975.16	9069	107.0367
3	3494	2017	HIGH Volume	Getting Engaged	Sports and Outdoors	34834939.84	1231097.11	142926	243.7271
4	3493	2017	Very LOW Volume	Getting Engaged	Books	6035298.53	230408.47	146871	41.0925
5	3492	2017	Very LOW Volume	One-and-Done	Automotive	31620.68	665.59	527	60.0013