Peace Ibe Ibenu
100797656
Data Transform Activity

1. i. Create a new table for your analysis call "sales_genre".

```
1 CREATE TABLE sales_genre
2 (
3   Genre string,
4   Global_sales float,
5   Critic_Score int
6 );
7
```
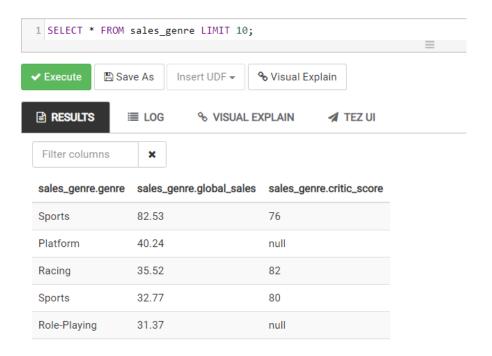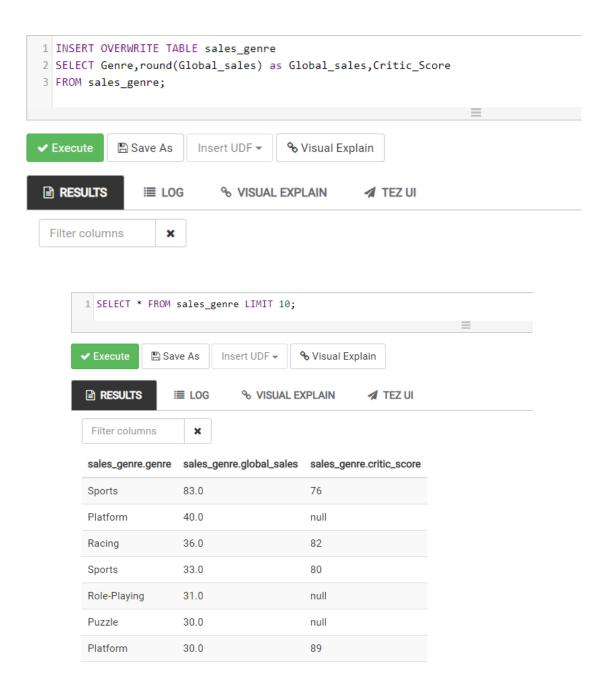
✔ Execute   🖫 Save As   Insert UDF ▾   ⚘ Visual Explain

ii. Load the table "sales" into this table.

```
1 INSERT OVERWRITE TABLE sales_genre
2 SELECT Genre,Global_sales,Critic_Score
3 FROM gamesales;
```

✔ Execute   🖫 Save As   Insert UDF ▾   ⚘ Visual Explain

📄 RESULTS   ☰ LOG   ⚘ VISUAL EXPLAIN   ➤ TEZ UI

iii. Select these columns: Genre, Global_Sales, Critic_Score.

```
1 SELECT * FROM sales_genre LIMIT 10;
```

✔ Execute   🖫 Save As   Insert UDF ▾   ⚘ Visual Explain

📄 RESULTS   ☰ LOG   ⚘ VISUAL EXPLAIN   ➤ TEZ UI

Filter columns   ✖

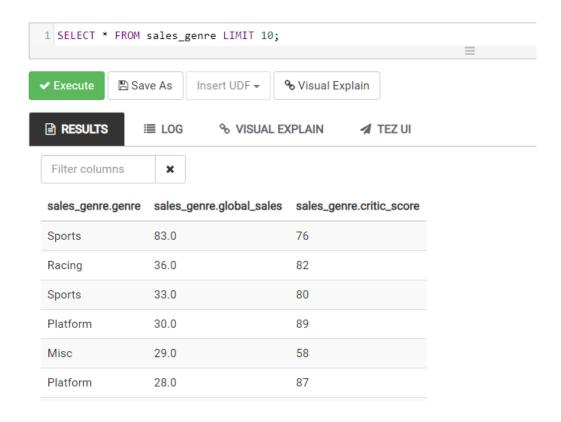| sales_genre.genre	sales_genre.global_sales	sales_genre.critic_score
Sports	82.53	76
Platform	40.24	null
Racing	35.52	82
Sports	32.77	80
Role-Playing	31.37	null

2) Round the data found in the "Global_Sales" column. (HINT: the SQL function to round a number is ROUND(obs)

```
1 INSERT OVERWRITE TABLE sales_genre
2 SELECT Genre,round(Global_sales) as Global_sales,Critic_Score
3 FROM sales_genre;
```

✔ Execute   🖫 Save As   Insert UDF ▾   ⸎ Visual Explain

📄 RESULTS   ☰ LOG   ⸎ VISUAL EXPLAIN   ◢ TEZ UI

Filter columns   ✖

```
1 SELECT * FROM sales_genre LIMIT 10;
```

✔ Execute   🖫 Save As   Insert UDF ▾   ⸎ Visual Explain

📄 RESULTS   ☰ LOG   ⸎ VISUAL EXPLAIN   ◢ TEZ UI

Filter columns   ✖

sales_genre.genre	sales_genre.global_sales	sales_genre.critic_score
Sports	83.0	76
Platform	40.0	null
Racing	36.0	82
Sports	33.0	80
Role-Playing	31.0	null
Puzzle	30.0	null
Platform	30.0	89

3) Filter the data to only look at those items in the "Critic_Score" column that are greater than 0.

```
1 INSERT OVERWRITE TABLE sales_genre
2 SELECT *
3 FROM sales_genre
4 WHERE Critic_Score > 0;
```

✔ Execute   🖫 Save As   Insert UDF ▾   ⸎ Visual Explain

📄 RESULTS   ☰ LOG   ⸎ VISUAL EXPLAIN   ◢ TEZ UI

Filter columns   ✖

```
1 SELECT * FROM sales_genre LIMIT 10;
```

≡

✔ Execute　　🖫 Save As　　Insert UDF ▾　　⚹ Visual Explain

📄 RESULTS　　≣ LOG　　⚹ VISUAL EXPLAIN　　✈ TEZ UI

Filter columns　　✖

sales_genre.genre	sales_genre.global_sales	sales_genre.critic_score
Sports	83.0	76
Racing	36.0	82
Sports	33.0	80
Platform	30.0	89
Misc	29.0	58
Platform	28.0	87

4) Order the data in the "Critic_Score" column from highest to lowest. (HINT: Use the DESC query

```
1 INSERT OVERWRITE TABLE sales_genre
2 SELECT *
3 FROM sales_genre
4 ORDER BY Critic_Score DESC;
```

≡

✔ Execute　　🖫 Save As　　Insert UDF ▾　　⚹ Visual Explain

📄 RESULTS　　≣ LOG　　⚹ VISUAL EXPLAIN　　✈ TEZ UI

Filter columns　　✖

```
1 SELECT * FROM sales_genre LIMIT 10;
```

✔ Execute   🖫 Save As   Insert UDF ▾   ⸙ Visual Explain

📄 **RESULTS**   ☰ LOG   ⸙ VISUAL EXPLAIN   ➤ TEZ UI

Filter columns	✖

sales_genre.genre	sales_genre.global_sales	sales_genre.critic_score
Sports	5.0	98
Fighting	0.0	98
Action	11.0	98
Action	11.0	98
Action	21.0	97
Platform	11.0	97
Platform	8.0	97
Action	16.0	97
Shooter	6.0	97

ces/MAPREDUCE2/summary