Trio 6 Team Meat Reflection Paper on Case – Rosas Palas Franchise

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Master of Business Analytics, Hult International Business School

DAT-7470-FMBAN1, Business Analysis with Structured Data

Professor Chase Kusterer

Assignment Due Date 13th November 2022

As a group we were tasked with building queries and inserting results into a temporary table through a stored procedure to create the Profit and Loss, and the Balance Sheet statements. The group of trios consisted of Dennis Omuya, Htet Aung Kyaw, and Jorge Nistal. We believe that we achieved our objective in the task by meeting the key deliverables.

We worked closely and effectively together. We started by understanding each other's strengths and made sure they were used. Another important point to note is that we created a wide network for communication through the available online platforms such as codeshare.io and WhatsApp where we could share our scripts and discuss the task.

Initially as a team we focused on drawing the schema of 25 tables which took almost half a day to finish. We later found out that all we needed was four tables that the professor provided. If we have to redo the project again, we will start by finding the major account code (such as 'REV') and drawing mainly the critical tables that we need (for example 'account', 'statement section') so that we can allocate more time on coding and queries.

The best thing about a team is that every member comes with a unique skill and idea that when combined can bring out a mind-blowing outcome. Jorge Nistal was responsible for giving us a vivid explanation of how the financial statements are made and which accounts should be in which statements. Our focus was on four major tables, namely journal entry, journal entry line item, account, and statement sections.

We did a query for all these tables details and exported them to an excel spreadsheet for analysis. We used union to bring the tables together by stacking them up row by row. We proceeded to prepare the stored procedure and found out that we can set variables which can allow us to redo all our queries by using local variables. Htet Aung Kyaw was responsible for writing a

script for profit and loss statement with the help of the remaining team members. Dennis Omuya was engaged in providing a balance sheet script also with the help of the other members.

If we must redo the project again, we will mainly focus on how to set the variables and create tables, then add row by row using insert into and values () functions, and closely looking at the vital role of each column and use the accordingly to prevent potential bugs because we were neglecting the cancelled column which caused us credit-debit imbalance on both the statements.

A group is more than the sum of its component parts. This was evident during this task. Crucial to what we were meant to deliver was assessing and recognizing our strengths and summing them up to bring something powerful than any of us individually. This team assignment allowed us to understand the aspect of time management and using best solution possible to deal with a case and that the database of a particular company is not perfect and we need to anticipate the potential issues such as missing data and inconsistency of data. We will study further to know how to optimize our code by using iteration to reduce the receptive queries with stored procedure.

```
# THE LINE ABOVES CHANGES BACK OUR DELIMETER TO OUR USUAL ;
CALL H_Accounting.hkyaw_tmp (2015);
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

NO.	PROFIT AND LOSS STATEMENT	CURRENT YEAR	LAST YEAR	% CHANGE
NO.	PROFIT AND LOSS STATEMENT	CURRENT YEAR	LAST YEAR	% CHANGE
1		In '000s of USD	In '000s of USD	In %
2	---	---	---	---
3	Total Revenues	2,604.41	0.00	NULL
4	Total Cost of Good Sold	1,853.99	0.00	NULL
5	---	---	---	---
6	Gross Profit	750.43	0.00	NULL
7	Selling Expense	579.70	0.00	NULL
8	---	---	---	---
9	Operating Profit	170.72	0.00	NULL
10	Total Other Expense	59.05	0.00	NULL
11	Total Other Income	14.91	0.00	NULL
12	---	---	---	---
13	Earning Before Tax	126.58	0.00	NULL
14	Total Income Tax	0.00	0.00	NULL
15	---	---	---	---
16	Net Profit	126.58	0.00	NULL
17	==========	==========	==========	=======
18		-		
19		-		
20				

NO.	BALANCE SHEET STATEMENT	CURRENT YEAR	LAST YEAR	% CHANGE
NO.	BALANCE SHEET STATEMENT	CURRENT YEAR	LAST YEAR	% CHANGE
1		In '000s of USD	In '000s of USD	In %
2	---	---	---	---
3	Current Assets	2,469.10	1,789.70	37.96%
4	Fixed Assets	0.00	0.00	NULL
5	Deferred Assets	0.00	0.00	NULL
6	---	---	---	---
7	Total Assets	2,469.10	1,789.70	37.96%
8	==========	==========	==========	=======
9				
10	Current Liabilities	1,521.95	969.60	56.97%
11	Long Term Liabilities	0.00	0.00	NULL
12	Deferred Liabilities	0.00	0.00	NULL
13	---	---	---	---
14	Total Liabilities	1,521.95	969.60	56.97%
15	---	---	---	---
16				
17	Total Equity	947.16	820.11	15.49%
18	---	---	---	---
19	LIABILITIES + EQUITY	2,469.10	1,789.70	37.96%
20	==========	==========	==========	=======

NO.	CASH FLOW STATEMENT	CURRENT YEAR	LAST YEAR	% CHANGE
NO.	CASH FLOW STATEMENT	CURRENT YEAR	LAST YEAR	% CHANGE
1		In '000s of USD	In '000s of USD	In %
2	---	---	---	---
3	Net Income	126.58	0.00	NULL
4	Depreciation	0.00	-225.22	-100.00%
5	Account Receivable	2,604.41	111.12	2,243.78%
6	Account Payable	638.19	869.60	-26.61%
7	---	---	---	---
8	Net Cash Flow From Operation	-1,839.64	533.26	-444.98%
9	---	---	---	---
10	Equipments	0.00	225.22	-100.00%
11	---	---	---	---
12	Net Cash Flow From Investing	-0.00	-225.22	100.00%
13	---	---	---	---
14	Equity	127.05	820.11	-84.51%
15	Loan Payable	0.00	0.00	NULL
16	---	---	---	---
17	Net Cash Flow From Financing	127.05	820.11	-84.51%
18	---	---	---	---
19	CURRENT YEAR CASH FLOW	-1,712.58	1,128.15	-251.81%
20	==========	==========	==========	=======

```
# THE LINE ABOVES CHANGES BACK OUR DELIMETER TO OUR USUAL ;
CALL H_Accounting.hkyaw_tmp (2016);
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

NO.	PROFIT AND LOSS STATEMENT	CURRENT YEAR	LAST YEAR	% CHANGE	NO.	BALANCE SHEET STATEMENT	CURRENT YEAR	LAST YEAR	% CHANGE	NO.	CASH FLOW STATEMENT	CURRENT YEAR	LAST YEAR	% CHANGE
NO.	PROFIT AND LOSS STATEMENT	CURRENT YEAR	LAST YEAR	% CHANGE	NO.	BALANCE SHEET STATEMENT	CURRENT YEAR	LAST YEAR	% CHANGE	NO.	CASH FLOW STATEMENT	CURRENT YEAR	LAST YEAR	% CHANGE
1		In '000s of USD	In '000s of USD	In %	1		In '000s of USD	In '000s of USD	In %	1		In '000s of USD	In '000s of USD	In %
2					2					2				
3	Total Revenues	2,469.87	2,604.41	-5.17%	3	Current Assets	2,543.73	2,469.10	3.02%	3	Net Income	-42.42	126.58	-133.51%
4	Total Cost of Good Sold	1,863.92	1,853.99	0.54%	4	Fixed Assets	0.00	0.00	NULL	4	Depreciation	0.00	0.00	NULL
5					5	Deferred Assets	0.00	0.00	NULL	5	Account Receivable	2,376.98	2,604.41	-8.73%
6	Gross Profit	605.95	750.43	-19.25%	6					6	Account Payable	32.80	638.19	-94.86%
7	Selling Expense	353.86	579.70	-38.96%	7	Total Assets	2,543.73	2,469.10	3.02%	7				
8					8					8	Net Cash Flow From Operation	-2,386.60	-1,839.64	-29.73%
9	Operating Profit	252.09	170.72	47.66%	9					9				
10	Total Other Expense	139.97	59.05	137.03%	10	Current Liabilities	1,640.58	1,521.95	7.80%	10	Equipments	0.00	0.00	NULL
11	Total Other Income	92.58	14.91	520.75%	11	Long Term Liabilities	0.00	0.00	NULL	11				
12					12	Deferred Liabilities	0.00	0.00	NULL	12	Net Cash Flow From Investing	-0.00	-0.00	NULL
13	Earning Before Tax	204.70	170.72	61.71%	13					13				
14	Total Income Tax	247.11	0.00	NULL	14	Total Liabilities	1,640.58	1,521.95	7.80%	14	Equity	-44.01	127.05	-134.64%
15					15					15	Loan Payable	0.00	0.00	NULL
16	Net Profit	-42.42	126.58	-133.51%	16					16				
17					17	Total Equity	903.15	947.16	-4.65%	17	Net Cash Flow From Financing	-44.01	127.05	-134.64%
18		-			18					18				
19		-			19	LIABILITIES + EQUITY	2,543.73	2,469.10	3.02%	19	CURRENT YEAR CASH FLOW	-2,430.61	-1,712.58	-41.93%
20					20					20				

```
# THE LINE ABOVES CHANGES BACK OUR DELIMETER TO OUR USUAL ;
CALL H_Accounting.hkyaw_tmp (2017);
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

NO.	PROFIT AND LOSS STATEMENT	CURRENT YEAR	LAST YEAR	% CHANGE	NO.	BALANCE SHEET STATEMENT	CURRENT YEAR	LAST YEAR	% CHANGE	NO.	CASH FLOW STATEMENT	CURRENT YEAR	LAST YEAR	% CHANGE
NO.	PROFIT AND LOSS STATEMENT	CURRENT YEAR	LAST YEAR	% CHANGE	NO.	BALANCE SHEET STATEMENT	CURRENT YEAR	LAST YEAR	% CHANGE	NO.	CASH FLOW STATEMENT	CURRENT YEAR	LAST YEAR	% CHANGE
1		In '000s of USD	In '000s of USD	In %	1		In '000s of USD	In '000s of USD	In %	1		In '000s of USD	In '000s of USD	In %
2					2					2				
3	Total Revenues	2,808.09	2,469.87	13.69%	3	Current Assets	2,647.13	2,543.73	4.06%	3	Net Income	485.77	-42.42	1,045.29%
4	Total Cost of Good Sold	1,847.97	1,863.92	-0.86%	4	Fixed Assets	0.00	0.00	NULL	4	Depreciation	225.22	0.00	NULL
5					5	Deferred Assets	0.00	0.00	NULL	5	Account Receivable	2,591.15	2,376.98	9.01%
6	Gross Profit	960.12	605.95	58.45%	6					6	Account Payable	-472.61	32.80	-1,541.07%
7	Selling Expense	343.05	353.86	-3.06%	7	Total Assets	2,647.13	2,543.73	4.06%	7				
8					8					8	Net Cash Flow From Operation	-2,352.77	-2,386.60	1.42%
9	Operating Profit	617.08	252.09	144.79%	9					9				
10	Total Other Expense	131.30	139.97	-6.19%	10	Current Liabilities	1,247.98	1,640.58	-23.93%	10	Equipments	-225.22	0.00	NULL
11	Total Other Income	0.00	92.58	-100.00%	11	Long Term Liabilities	0.00	0.00	NULL	11				
12					12	Deferred Liabilities	0.00	0.00	NULL	12	Net Cash Flow From Investing	225.22	-0.00	NULL
13	Earning Before Tax	485.77	252.09	137.31%	13					13				
14	Total Income Tax	0.00	247.11	-100.00%	14	Total Liabilities	1,247.98	1,640.58	-23.93%	14	Equity	496.00	-44.01	1,227.08%
15					15					15	Loan Payable	80.00	0.00	NULL
16	Net Profit	485.77	-42.42	1,045.29%	16					16				
17					17	Total Equity	1,399.15	903.15	54.92%	17	Net Cash Flow From Financing	576.00	-44.01	1,408.87%
18		-			18					18				
19		-			19	LIABILITIES + EQUITY	2,647.13	2,543.73	4.06%	19	CURRENT YEAR CASH FLOW	-1,551.54	-2,430.61	36.17%
20					20					20				

```
# THE LINE ABOVES CHANGES BACK OUR DELIMETER TO OUR USUAL ;
CALL H_Accounting.hkyaw_tmp (2018);
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

NO.	PROFIT AND LOSS STATEMENT	CURRENT YEAR	LAST YEAR	% CHANGE	NO.	BALANCE SHEET STATEMENT	CURRENT YEAR	LAST YEAR	% CHANGE	NO.	CASH FLOW STATEMENT	CURRENT YEAR	LAST YEAR	% CHANGE
NO.	PROFIT AND LOSS STATEMENT	CURRENT YEAR	LAST YEAR	% CHANGE	NO.	BALANCE SHEET STATEMENT	CURRENT YEAR	LAST YEAR	% CHANGE	NO.	CASH FLOW STATEMENT	CURRENT YEAR	LAST YEAR	% CHANGE
1		In '000s of USD	In '000s of USD	In %	1		In '000s of USD	In '000s of USD	In %	1		In '000s of USD	In '000s of USD	In %
2					2					2				
3	Total Revenues	2,949.93	2,808.09	5.05%	3	Current Assets	2,975.07	2,647.13	12.39%	3	Net Income	371.49	485.77	-23.53%
4	Total Cost of Good Sold	2,142.18	1,847.97	15.92%	4	Fixed Assets	0.00	0.00	NULL	4	Depreciation	0.00	225.22	-100.00%
5					5	Deferred Assets	0.00	0.00	NULL	5	Account Receivable	2,949.93	2,591.15	13.85%
6	Gross Profit	807.76	960.12	-15.87%	6					6	Account Payable	-74.81	-472.61	-84.17%
7	Selling Expense	364.17	343.05	6.16%	7	Total Assets	2,975.07	2,647.13	12.39%	7				
8					8					8	Net Cash Flow From Operation	-2,653.26	-2,352.77	-12.77%
9	Operating Profit	443.59	617.08	-28.11%	9					9				
10	Total Other Expense	117.60	131.30	-10.44%	10	Current Liabilities	1,193.16	1,247.98	-4.39%	10	Equipments	0.00	-225.22	100.00%
11	Total Other Income	45.50	0.00	NULL	11	Long Term Liabilities	0.00	0.00	NULL	11				
12					12	Deferred Liabilities	0.00	0.00	NULL	12	Net Cash Flow From Investing	-0.00	225.22	100.00%
13	Earning Before Tax	371.49	617.08	-23.53%	13					13				
14	Total Income Tax	0.00	0.00	NULL	14	Total Liabilities	1,193.16	1,247.98	-4.39%	14	Equity	382.76	496.00	-22.83%
15					15					15	Loan Payable	20.00	80.00	-75.00%
16	Net Profit	371.49	485.77	-23.53%	16					16				
17					17	Total Equity	1,781.91	1,399.15	27.36%	17	Net Cash Flow From Financing	402.76	576.00	-30.08%
18		-			18					18				
19		-			19	LIABILITIES + EQUITY	2,975.07	2,647.13	12.39%	19	CURRENT YEAR CASH FLOW	-2,250.50	-1,551.54	-45.05%
20					20					20				

```
# THE LINE ABOVES CHANGES BACK OUR DELIMETER TO OUR USUAL ;
CALL H_Accounting.hkyaw_tmp (2019);
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

NO.	PROFIT AND LOSS STATEMENT	CURRENT YEAR	LAST YEAR	% CHANGE	NO.	BALANCE SHEET STATEMENT	CURRENT YEAR	LAST YEAR	% CHANGE	NO.	CASH FLOW STATEMENT	CURRENT YEAR	LAST YEAR	% CHANGE
NO.	PROFIT AND LOSS STATEMENT	CURRENT YEAR	LAST YEAR	% CHANGE	NO.	BALANCE SHEET STATEMENT	CURRENT YEAR	LAST YEAR	% CHANGE	NO.	CASH FLOW STATEMENT	CURRENT YEAR	LAST YEAR	% CHANGE
1		In '000s of USD	In '000s of USD	In %	1		In '000s of USD	In '000s of USD	In %	1		In '000s of USD	In '000s of USD	In %
2					2					2				
3	Total Revenues	6,414.54	2,949.93	117.45%	3	Current Assets	3,363.21	2,975.07	13.05%	3	Net Income	515.02	371.49	38.64%
4	Total Cost of Good Sold	4,742.88	2,142.18	121.40%	4	Fixed Assets	0.00	0.00	NULL	4	Depreciation	0.00	0.00	NULL
5					5	Deferred Assets	0.00	0.00	NULL	5	Account Receivable	3,464.61	2,949.93	17.45%
6	Gross Profit	1,671.67	807.76	106.95%	6					6	Account Payable	250.87	-74.81	-435.32%
7	Selling Expense	907.60	364.17	149.22%	7	Total Assets	3,363.21	2,975.07	13.05%	7				
8					8					8	Net Cash Flow From Operation	-2,698.72	-2,653.26	-1.71%
9	Operating Profit	764.07	443.59	72.25%	9					9				
10	Total Other Expense	294.55	117.60	150.47%	10	Current Liabilities	1,449.03	1,193.16	21.44%	10	Equipments	0.00	0.00	NULL
11	Total Other Income	45.50	45.50	0.00%	11	Long Term Liabilities	0.00	0.00	NULL	11				
12					12	Deferred Liabilities	0.00	0.00	NULL	12	Net Cash Flow From Investing	-0.00	-0.00	NULL
13	Earning Before Tax	515.02	443.59	38.64%	13					13				
14	Total Income Tax	0.00	0.00	NULL	14	Total Liabilities	1,449.03	1,193.16	21.44%	14	Equity	132.26	382.76	-65.45%
15					15					15	Loan Payable	5.00	20.00	-75.00%
16	Net Profit	515.02	371.49	38.64%	16					16				
17					17	Total Equity	1,914.17	1,781.91	7.42%	17	Net Cash Flow From Financing	137.26	402.76	-65.92%
18		-			18					18				
19		-			19	LIABILITIES + EQUITY	3,363.21	2,975.07	13.05%	19	CURRENT YEAR CASH FLOW	-2,561.46	-2,250.50	-13.82%
20					20					20				

```
# THE LINE ABOVES CHANGES BACK OUR DELIMETER TO OUR USUAL ;
CALL H_Accounting.hkyaw_tmp (2020);
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

NO.	PROFIT AND LOSS STATEMENT	CURRENT YEAR	LAST YEAR	% CHANGE	NO.	BALANCE SHEET STATEMENT	CURRENT YEAR	LAST YEAR	% CHANGE	NO.	CASH FLOW STATEMENT	CURRENT YEAR	LAST YEAR	% CHANGE
NO.	PROFIT AND LOSS STATEMENT	CURRENT YEAR	LAST YEAR	% CHANGE	NO.	BALANCE SHEET STATEMENT	CURRENT YEAR	LAST YEAR	% CHANGE	NO.	CASH FLOW STATEMENT	CURRENT YEAR	LAST YEAR	% CHANGE
1		In '000s of USD	In '000s of USD	In %	1		In '000s of USD	In '000s of USD	In %	1		In '000s of USD	In '000s of USD	In %
2					2					2				
3	Total Revenues	0.00	6,414.54	-100.00%	3	Current Assets	4,265.47	3,363.21	26.83%	3	Net Income	66.36	515.02	-87.11%
4	Total Cost of Good Sold	0.00	4,742.88	-100.00%	4	Fixed Assets	0.00	0.00	NULL	4	Depreciation	0.00	0.00	NULL
5					5	Deferred Assets	0.00	0.00	NULL	5	Account Receivable	3,749.39	3,464.61	8.22%
6	Gross Profit	0.00	1,671.67	-100.00%	6					6	Account Payable	-463.10	250.87	-284.60%
7	Selling Expense	0.24	907.60	-99.97%	7	Total Assets	4,265.47	3,363.21	26.83%	7				
8					8					8	Net Cash Flow From Operation	-4,146.13	-2,698.72	-53.63%
9	Operating Profit	-0.24	764.07	-100.03%	9					9				
10	Total Other Expense	16.91	294.55	-94.26%	10	Current Liabilities	985.93	1,449.03	-31.96%	10	Equipments	0.00	0.00	NULL
11	Total Other Income	83.51	45.50	83.56%	11	Long Term Liabilities	0.00	0.00	NULL	11				
12					12	Deferred Liabilities	0.00	0.00	NULL	12	Net Cash Flow From Investing	-0.00	-0.00	NULL
13	Earning Before Tax	66.36	764.07	-87.11%	13					13				
14	Total Income Tax	0.00	0.00	NULL	14	Total Liabilities	985.93	1,449.03	-31.96%	14	Equity	0.00	132.26	-100.00%
15					15					15	Loan Payable	0.00	5.00	-100.00%
16	Net Profit	66.36	515.02	-87.11%	16					16				
17					17	Total Equity	1,914.17	1,914.17	0.00%	17	Net Cash Flow From Financing	0.00	137.26	-100.00%
18		-			18					18				
19		-			19	LIABILITIES + EQUITY	2,900.11	3,363.21	-13.77%	19	CURRENT YEAR CASH FLOW	-4,146.13	-2,561.46	-61.87%
20					20					20				