

SQL PROJECT

WALMART





Agenda

- 1. Introduction
- 2. Questionaries
- 3. Query
- 4. Result Grid
- 5. Summary

Introduction

WALMART engages in retail and wholesale business. The company offers an assortment of merchandise and services at everyday low prices

Question No. 1

UPDATE TIME INTO MORNING AND AFTERNOON

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ALTER TABLE WALMART

ADD COLUMN TIME_TYPE VARCHAR(30) NOT NULL AFTER TIME;

UPDATE WALMART

SET TIME_TYPE = 'MORNING' WHERE TIME < '12:00:00';

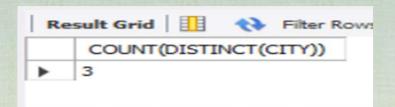
UPDATE WALMART

SET TIME_TYPE = 'AFTERNOON' WHERE TIME > '12:00:00';
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Res	ult Grid 🔠 🐧	Filter Rows:		Export:	Wrap Cell Content: ፲ᡯ												
	UNIT_PRICE	QUANTITY	INFORMATION	TAX_5_PERNT	TOTAL	DATE	WEEKDAY	MONTHNAME	DAYNAME	TIME	TIME_TYPE	PAYMENT	COGS	GROSS_MARGIN	GROSS_INCOME	RATING	
•	74.69	7	GOOD	26.1415	548.9715	2019-01-05	5	January	Saturday	13:08:00	AFTERNOON	Ewallet	522.8300	4.7619047620	26.1415000000	9.10	
5	15.28	5	BAD	3.8200	80.2200	2019-03-08	4	March	Friday	10:29:00	MORNING	Cash	76,4000	4.7619047620	3.8200000000	9.60	
	46.33	7	GOOD	16.2155	340.5255	2019-03-03	6	March	Sunday	13:23:00	AFTERNOON	Credit card	324.3100	4.7619047620	16.2155000000	7.40	
	58.22	8	GOOD	23.2880	489.0480	2019-01-27	6	January	Sunday	20:33:00	AFTERNOON	Ewallet	465.7600	4.7619047620	23.2880000000	8.40	
	86.31	7	GOOD	30.2085	634.3785	2019-02-08	4	February	Friday	10:37:00	MORNING	Ewallet	604.1700	4.7619047620	30.2085000000	5.30	
5	85.39	7	GOOD	29.8865	627.6165	2019-03-25	0	March	Monday	18:30:00	AFTERNOON	Ewallet	597.7300	4.7619047620	29.8865000000	4.10	
5	68.84	6	GOOD	20.6520	433.6920	2019-02-25	0	February	Monday	14:36:00	AFTERNOON	Ewallet	413.0400	4.7619047620	20.6520000000	5.80	
	73.56	10	GOOD	36.7800	772.3800	2019-02-24	6	February	Sunday	11:38:00	MORNING	Ewallet	735.6000	4.7619047620	36.7800000000	8.00	
	36.26	2	BAD	3.6260	76.1460	2019-01-10	3	January	Thursday	17:15:00	AFTERNOON	Credit card	72.5200	4.7619047620	3.6260000000	7.20	
	54.84	3	BAD	8.2260	172.7460	2019-02-20	2	February	Wednesday	13:27:00	AFTERNOON	Credit card	164.5200	4.7619047620	8.2260000000	5.90	

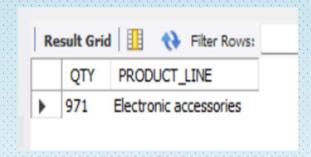
HOW MANY UNIQUE CITIES DOES THE DATA HAVE?

SELECT COUNT(DISTINCT(CITY)) FROM WALMART;



QUESTION NO. 3 Which is the most selling product line?

SELECT PRODUCT_LINE, MAX(QUANTITY) AS MOST_SELLING_PRODUCT_LINE FROM WALMART GROUP BY PRODUCT_LINE ORDER BY MOST_SELLING_PRODUCT_LINE DESC LIMIT 1;



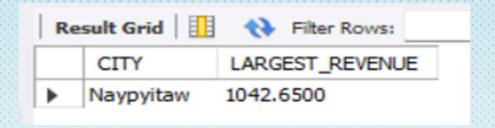
WHICH MONTH HAD THE LARGEST COGS?

SELECT 'MONTHNAME', MAX(COGS) AS LARGEST_COGS FROM WALMART GROUP BY 'MONTHNAME' ORDER BY LARGEST_COGS DESC LIMIT 1;



WHICH IS THE CITY WITH THE LARGEST REVENUE?

SELECT CITY, MAX(TOTAL) AS LARGEST_REVENUE FROM WALMART GROUP BY CITY ORDER BY LARGEST_REVENUE DESC LIMIT 1;



Fetch each product line and add a column to those product line showing "Good", "Bad". Good if its greater than average sales

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ALTER TABLE WALMART

ADD COLUMN INFORMATION VARCHAR(30) NOT NULL AFTER QUANTITY;

SELECT INVOICE_ID, CUSTOMER, GENDER, CITY, PRODUCT_LINE, QUANTITY, IF(QUANTITY > (SELECT avg(QUANTITY) FROM WALMART), 'GOOD', 'BAD') AS ANALYSIS

FROM WALMART GROUP BY INVOICE_ID, CUSTOMER, GENDER, CITY, PRODUCT_LINE, QUANTITY;

UPDATE WALMART

SET INFORMATION = IF(QUANTITY > ('5.510'), 'GOOD', 'BAD');
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110	31.1	CITY	CUCTOMED	CENIDED	DD ODLICT LINE	LINITE DOTCE	OLIANITITY	TNEODMATTON	TAY E DEDAT	TOTAL	DATE	WEEKDAY	MONTUNIAME	DAVNIAME	TIME	TIME TYPE	DAVMEN
AC	CH	CITY	CUSTOMER	GENDER	PRODUCT_LINE	UNIT_PRICE	QUANTITY	INFORMATION	TAX_5_PERNT	TOTAL	DATE	WEEKDAY	MONTHNAME	DAYNAME	TIME	TIME_TYPE	PAYMEN
		Yangon	Member	Female	Health and beauty	74.69	7	GOOD	26.1415	548.9715	2019-01-05	5	January	Saturday	13:08:00	AFTERNOON	Ewallet
		Naypyitaw	Normal	Female	Electronic accessories	15.28	5	BAD	3.8200	80.2200	2019-03-08	4	March	Friday	10:29:00	MORNING	Cash
		Yangon	Normal	Male	Home and lifestyle	46.33	7	GOOD	16.2155	340.5255	2019-03-03	6	March	Sunday	13:23:00	AFTERNOON	Credit car
		Yangon	Member	Male	Health and beauty	58.22	8	GOOD	23.2880	489.0480	2019-01-27	6	January	Sunday	20:33:00	AFTERNOON	Ewallet
		Yangon	Normal	Male	Sports and travel	86.31	7	GOOD	30.2085	634.3785	2019-02-08	4	February	Friday	10:37:00	MORNING	Ewallet
		Naypyitaw	Normal	Male	Electronic accessories	85.39	7	GOOD	29.8865	627.6165	2019-03-25	0	March	Monday	18:30:00	AFTERNOON	Ewallet
		Yangon	Member	Female	Electronic accessories	68.84	6	GOOD	20.6520	433.6920	2019-02-25	0	February	Monday	14:36:00	AFTERNOON	Ewallet
		Naypyitaw	Normal	Female	Home and lifestyle	73.56	10	GOOD	36.7800	772.3800	2019-02-24	6	February	Sunday	11:38:00	MORNING	Ewallet
		Yangon	Member	Female	Health and beauty	36.26	2	BAD	3.6260	76.1460	2019-01-10	3	January	Thursday	17:15:00	AFTERNOON	Credit ca
		Mandalau	Mombor	Fomalo	Food and housesage	E4 04	2	DAD	0 2250	172 7/60	2010 02 20	2	Echrusey	Modeooday	12,27,00	ACTEDNICON	Cradition

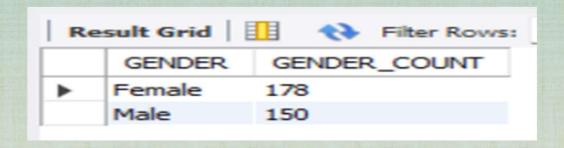
Which branch sold more products than average product sold?

SELECT BRANCH, SUM(QUANTITY) AS QTY FROM WALMART GROUP BY BRANCH HAVING SUM(QUANTITY) > (SELECT AVG(QUANTITY) FROM WALMART);



What is the gender distribution per branch?

SELECT GENDER, COUNT(*) as GENDER COUNT FROM WALMART WHERE BRANCH = "C" GROUP BY GENDER ORDER BY GENDER COUNT DESC;



Which time of the day do customers give most ratings per branch?

SELECT TIME, BRANCH, MAX(RATING) AS MOST_RATING FROM WALMART GROUP BY TIME, BRANCH ORDER BY MOST_RATING;

Re	esult Grid	III 🔷 Fil	ter Rows:
	TIME	BRANCH	MOST_RATING
▶	18:17:00	В	4.00
	14:31:00	C	4.00
	19:14:00	В	4.00
	13:32:00	В	4.00
	19:26:00	C	4.00
	13:10:00	В	4.00
	20:06:00	A	4.00
	19:38:00	C	4.00
	17:49:00	C	4.00
	15:47:00	В	4. 10
Re	13:11:00 sult 10 ×	C	4. 10

Number of sales made in each time of the day per weekday

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ALTER TABLE WALMART

ADD COLUMN 'WEEKDAY' VARCHAR(30) NOT NULL AFTER DATE;

UPDATE WALMART

SET 'WEEKDAY' = weekday('DATE');

SELECT * FROM WALMART;

SELECT 'WEEKDAY', 'TIME', TOTAL AS SALES FROM WALMART WHERE 'WEEKDAY' <= 5;
```

Res	sult Gric	#	Filter Rows:		Export: W	rap Cell Content:	<u> </u>										
	ANCH	CITY	CUSTOMER	GENDER	PRODUCT_LINE	UNIT_PRICE	QUANTITY	INFORMATION	TAX_5_PERNT	TOTAL	DATE	WEEKDAY	MONTHNAME	DAYNAME	TIME	TIME_TYPE	PAYME
		Yangon	Member	Female	Health and beauty	74.69	7	GOOD	26.1415	548.9715	2019-01-05	5	January	Saturday	13:08:00	AFTERNOON	Ewallet
		Naypyitaw	Normal	Female	Electronic accessories	15.28	5	BAD	3.8200	80.2200	2019-03-08	4	March	Friday	10:29:00	MORNING	Cash
		Yangon	Normal	Male	Home and lifestyle	46.33	7	GOOD	16.2155	340.5255	2019-03-03	6	March	Sunday	13:23:00	AFTERNOON	Credit ca
		Yangon	Member	Male	Health and beauty	58.22	8	GOOD	23.2880	489.0480	2019-01-27	6	January	Sunday	20:33:00	AFTERNOON	Ewallet
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		Naypyitaw	Normal	Male	Electronic accessories	85.39	7	GOOD	29.8865	627.6165	2019-03-25	0	March	Monday	18:30:00	AFTERNOON	Ewallet
		Yangon	Member	Female	Electronic accessories	68.84	6	GOOD	20.6520	433.6920	2019-02-25	0	February	Monday	14:36:00	AFTERNOON	Ewallet
		Naypyitaw	Normal	Female	Home and lifestyle	73.56	10	GOOD	36.7800	772.3800	2019-02-24	6	February	Sunday	11:38:00	MORNING	Ewallet
		Yangon	Member	Female	Health and beauty	36.26	2	BAD	3.6260	76.1460	2019-01-10	3	January	Thursday	17:15:00	AFTERNOON	Credit ca
		Mandalay	Member	Female	Food and beverages	54.84	3	BAD	8.2260	172.7460	2019-02-20	2	February	Wednesday	13:27:00	AFTERNOON	Credit ca

Summary

WALMART is the World's Largest Company By Revenue

Thank You

JAIMIN SHAH