MEDICAL STORE MANAGEMENT SYSTEM

ABSTRACT: A Medical Store Database Management System (MSDMS) is a computerized system that stores and manages information related to customers, medicines, and sales. It includes a customer table, a medicine table, and a sales table that connects the customer and medicine table together. The system allows for easy tracking of inventory status, customer information, and sales reports to make informed business decisions. It also facilitates the integration with other systems, such as electronic medical records, for streamlined medication dispensing.

OBJECTIVE: The objective of the MSDMS is to provide a centralized and efficient system for managing the inventory, sales, and purchase of medical products. This includes the ability to track inventory status, manage customer information, and generate reports to help make informed business decisions. The ultimate goal is to improve the efficiency and profitability of the medical store while also providing better service to customers.

STRUCTURE OF THE TABLES

CUSTOMER:

This table contains the details of all the customers that have visited the store which includes their Name, gender, age and locality.

Field	Type	Null	Key	Default	Extra
cust_id	int	NO	PRI	NULL	auto_increment
Name	varchar(55)	NO		NULL	
Gender	varchar(10)	NO		NULL	
Age	int	NO		NULL	
Address	varchar(15)	YES		NULL	

MEDICINE:

This table contains the details of all the medicines which includes medicine name, price, manufacturing date and the expiry date.

Field	Type	Null	Key	Default	Extra
med_id	int	NO	PRI	NULL	auto_increment
Med_name	varchar(200)	NO		NULL	
Price	bigint	NO		NULL	
Manuf_date	date	NO		NULL	
Expiry_date	date	NO		NULL	

SALES:

This table contains the details of sales which includes customer ID, medicine ID, Address, Cost of each medicine, Quantity sold, Total cost of each purchase, and the date of purchase.

Field	Type	Null	Key	Default	Extra
sales_id	int	NO	PRI	NULL	auto_increment
cust_id	int	YES	MUL	NULL	
Address	varchar(50)	NO		NULL	
med_id	int	YES	MUL	NULL	
Cost	bigint	NO		NULL	
Quantity	int	NO		NULL	
Total_amount	bigint	NO		NULL	
Date	date	NO		NULL	

CONTENTS OF THE TABLES

CUSTOMER:

cust_id	Name	Gender	Age	Address
1	Kartik	Male	25	Koper
2	Ritesh	Male	18	Dombivli
3	Tanmay	Male	30	Koper
4	Rutuja	Female	22	Thakurli
5	Tanaya	Female	38	Dombivli
6	Chinmay	Male	27	Thakurli
7	Ayush	Male	17	Kalyan
8	Aditya	Male	21	Thane
9	Akshada	Female	25	Koper
10	Ninad	Male	29	Dombivli
11	Vrinda	Female	23	Thakurli
12	Ankit	Male	25	Dombivli
13	Nimesh	Male	34	Koper
14	Sahil	Male	37	Kalyan
15	Omkar	Male	20	Thane
16	Akash	Male	32	Dombivli
17	Janhavi	Female	22	Thakurli
18	Reeven	Female	21	Thane
19	Shakshi	Female	27	Dombivli
20	Adhira	Female	28	Kalyan
21	Kanika	Female	19	Panvel
22	Myra	Female	31	Panvel
NULL	NULL	NULL	NULL	NULL

MEDICINE:

med_id	Med_name	Price	Manuf_date	Expiry_date
101	Allegra-M Tablet	120	2020-07-23	2023-07-23
102	Benadryl Syrup	80	2021-03-13	2024-04-13
103	Betadine 2% Gargle Mint	200	2019-09-18	2023-12-14
104	Manforce 100mg Tablet	150	2020-05-26	2024-03-26
105	Dolo 650 Tablet	60	2021-04-17	2024-04-17
106	Evion LC Tablet	125	2023-01-15	2025-01-15
107	Ibugesic Plus Tablet	100	2022-09-28	2025-09-01
108	Testoviron Depot 250 Injection	314	2022-06-24	2023-03-24
109	Nodosis Tablet	80	2018-10-20	2023-10-20
110	Otrivin Oxy Nasal Spray	65	2022-03-28	2024-03-02
111	Becosules Capsule	45	2018-10-01	2021-10-01
112	Cofsils Naturals Cough Syrup ...	110	2021-04-19	2022-11-19
113	Atarax 25mg Tablet	140	2020-05-09	2023-05-09
114	Chymoral Forte Tablet	50	2021-09-05	2023-09-04
115	Refresh Tears Eye Drop	440	2022-06-02	2024-06-01
116	Ceflar 500mg Injection	215	2021-12-03	2024-12-03
117	Koflet Ex Sugar-Free Bottle Of...	80	2020-03-14	2023-03-14
118	Clavbon Kid Oral Suspension	300	2022-11-28	2023-11-28
119	O2 Tablet	35	2022-06-30	2024-11-30
120	Duro-Tuss Dry Cough Liquid J...	90	2021-01-22	2024-01-22

SALES:

sales_id	cust_id	Address	med_id	Cost	Quantity	Total_amount	Date
1	8	Thane	108	314	1	314	2022-10-12
2	12	Dombivli	116	215	1	215	2023-01-13
3	16	Dombivli	113	140	2	280	2020-09-28
4	19	Dombivli	106	125	2	250	2023-01-23
5	2	Dombivli	105	60	5	300	2022-02-27
6	5	Dombivli	118	300	1	300	2022-12-14
7	11	Thakurli	109	80	3	240	2019-11-20
8	9	Koper	101	120	5	600	2022-08-13
9	8	Thane	114	50	2	100	2022-10-14
10	4	Thakurli	105	60	2	120	2022-08-13
11	7	Kalyan	102	80	1	80	2022-12-10
12	10	Dombivli	113	140	2	280	2021-04-23
13	20	Kalyan	119	35	3	105	2022-11-12
14	22	Panvel	107	100	1	100	2022-12-29
15	3	Koper	112	110	1	110	2021-05-29
16	6	Thakurli	120	90	1	90	2021-04-23
17	21	Panvel	105	60	2	120	2022-08-13
18	13	Koper	110	65	1	65	2023-11-13
19	15	Thane	116	215	1	215	2022-08-01
20	11	Thakurli	105	60	3	180	2022-03-16
21	17	Thakurli	103	200	1	200	2022-05-12
22	5	Dombivli	105	60	4	240	2022-12-14
23	18	Thane	117	80	2	160	2020-10-18
24	20	Kalyan	105	60	1	60	2022-11-12
25	14	Kalyan	104	150	1	150	2021-02-13
26	12	Dombivli	119	35	1	35	2023-01-03
27	6	Thakurli	103	200	1	200	2021-04-23
28	2	Dombivli	109	80	5	400	2019-06-17
29	16	Dombivli	120	90	1	90	2021-08-06
30	14	Kalyan	104	150	1	150	2022-02-13
31	1	Koper	114	50	2	100	2022-11-13
32	17	Thakurli	115	440	1	440	2022-05-12

SUBQUERIES

1. Show the details of sales where the customers are from Dombivli and have made a purchase over or equal to 300.

➢ SELECT * FROM sales
WHERE address IN
(SELECT address from customer WHERE address = "Dombivli")
HAVING Total_amount >= 300;

sales_id	cust_id	Address	med_id	Cost	Quantity	Total_amount	Date
5	2	Dombivli	105	60	5	300	2022-02-27
6	5	Dombivli	118	300	1	300	2022-12-14
28	2	Dombivli	109	80	5	400	2019-06-17

2. Show the details of customers who purchased medicine worth 200 or more and are atleast 21 years of age or more.

➢ SELECT * FROM customer
WHERE cust_id IN
(SELECT cust_id FROM sales WHERE cost > 200)
HAVING age >= 21 ;

cust_id	Name	Gender	Age	Address
5	Tanaya	Female	38	Dombivli
8	Aditya	Male	21	Thane
12	Ankit	Male	25	Dombivli
17	Janhavi	Female	22	Thakurli

3. Show details of medicine that was never sold to any cutomer.

- SELECT * FROM medicine
  WHERE med_id NOT IN
  (SELECT DISTINCT(med_id) FROM sales);

med_id	Med_name	Price	Manuf_date	Expiry_date
111	Becosules Capsule	45	2018-10-01	2021-10-01

4. Write a query to get Location with the average total payment.

- SELECT COUNT(cust_id) AS 'Num of customers', Address AS Location, AVG(total_amount) AS 'Average Total'
  FROM sales
  GROUP BY address
  HAVING AVG(Total_amount) >= ANY(select AVG(Total_amount)
  FROM sales
  GROUP BY cust_id);

Num of customers	Location	Average Total
4	Thane	197.2500
10	Dombivli	239.0000
7	Thakurli	210.0000
4	Koper	218.7500
5	Kalyan	109.0000
2	Panvel	110.0000

5. Show details of sales that have greater total amount than the average total amount with regards to the location.

➢ SELECT * FROM sales
GROUP BY address
HAVING MAX(Total_amount) > (SELECT AVG(Total_amount)
FROM sales)
ORDER BY Total_amount DESC ;

sales_id	cust_id	Address	med_id	Cost	Quantity	Total_amount	Date
8	9	Koper	101	120	5	600	2022-08-13
1	8	Thane	108	314	1	314	2022-10-12
7	11	Thakurli	109	80	3	240	2019-11-20
2	12	Dombivli	116	215	1	215	2023-01-13

JOINS

1. Join using Inner join on customer and sales table.

➢ SELECT c.cust_id, c.Name, c.gender, c.Address, s.sales_id, s.Total_amount, s.Date
FROM customer AS c
INNER JOIN sales AS s
ON c.cust_id = s.cust_id;

cust_id	Name	gender	Address	sales_id	Total_amount	Date
1	Kartik	Male	Koper	31	100	2022-11-13
2	Ritesh	Male	Dombivli	5	300	2022-02-27
2	Ritesh	Male	Dombivli	28	400	2019-06-17
3	Tanmay	Male	Koper	15	110	2021-05-29
4	Rutuja	Female	Thakurli	10	120	2022-08-13
5	Tanaya	Female	Dombivli	6	300	2022-12-14
5	Tanaya	Female	Dombivli	22	240	2022-12-14
6	Chinmay	Male	Thakurli	16	90	2021-04-23
6	Chinmay	Male	Thakurli	27	200	2021-04-23
7	Ayush	Male	Kalyan	11	80	2022-12-10
8	Aditya	Male	Thane	1	314	2022-10-12
8	Aditya	Male	Thane	9	100	2022-10-14
9	Akshada	Female	Koper	8	600	2022-08-13
10	Ninad	Male	Dombivli	12	280	2021-04-23
11	Vrinda	Female	Thakurli	7	240	2019-11-20
11	Vrinda	Female	Thakurli	20	180	2022-03-16
12	Ankit	Male	Dombivli	2	215	2023-01-13
12	Ankit	Male	Dombivli	26	35	2023-01-03
13	Nimesh	Male	Koper	18	65	2023-11-13
14	Sahil	Male	Kalyan	25	150	2021-02-13
14	Sahil	Male	Kalyan	30	150	2022-02-13
15	Omkar	Male	Thane	19	215	2022-08-01
16	Akash	Male	Dombivli	3	280	2020-09-28
16	Akash	Male	Dombivli	29	90	2021-08-06
17	Janhavi	Female	Thakurli	21	200	2022-05-12
17	Janhavi	Female	Thakurli	32	440	2022-05-12
18	Reeven	Female	Thane	23	160	2020-10-18
19	Shakshi	Female	Dombivli	4	250	2023-01-23
20	Adhira	Female	Kalyan	13	105	2022-11-12
20	Adhira	Female	Kalyan	24	60	2022-11-12
21	Kanika	Female	Panvel	17	120	2022-08-13
22	Myra	Female	Panvel	14	100	2022-12-29

2. Display Sales information associated with the customer table, using Letf join.

- SELECT c.cust_id,c.Name, c.gender, c.Age, c.Address, s.sales_id, s.med_id, s.cost, s.Quantity, s.Total_amount, s.Date
  FROM sales AS s
  LEFT JOIN customer AS c
  ON s.cust_id = c.cust_id;

cust_id	Name	gender	Age	Address	sales_id	med_id	cost	Quantity	Total_amount	Date
8	Aditya	Male	21	Thane	1	108	314	1	314	2022-10-12
12	Ankit	Male	25	Dombivli	2	116	215	1	215	2023-01-13
16	Akash	Male	32	Dombivli	3	113	140	2	280	2020-09-28
19	Shakshi	Female	27	Dombivli	4	106	125	2	250	2023-01-23
2	Ritesh	Male	18	Dombivli	5	105	60	5	300	2022-02-27
5	Tanaya	Female	38	Dombivli	6	118	300	1	300	2022-12-14
11	Vrinda	Female	23	Thakurli	7	109	80	3	240	2019-11-20
9	Akshada	Female	25	Koper	8	101	120	5	600	2022-08-13
8	Aditya	Male	21	Thane	9	114	50	2	100	2022-10-14
4	Rutuja	Female	22	Thakurli	10	105	60	2	120	2022-08-13
7	Ayush	Male	17	Kalyan	11	102	80	1	80	2022-12-10
10	Ninad	Male	29	Dombivli	12	113	140	2	280	2021-04-23
20	Adhira	Female	28	Kalyan	13	119	35	3	105	2022-11-12
22	Myra	Female	31	Panvel	14	107	100	1	100	2022-12-29
3	Tanmay	Male	30	Koper	15	112	110	1	110	2021-05-29
6	Chinmay	Male	27	Thakurli	16	120	90	1	90	2021-04-23
21	Kanika	Female	19	Panvel	17	105	60	2	120	2022-08-13
13	Nimesh	Male	34	Koper	18	110	65	1	65	2023-11-13
15	Omkar	Male	20	Thane	19	116	215	1	215	2022-08-01
11	Vrinda	Female	23	Thakurli	20	105	60	3	180	2022-03-16
17	Janhavi	Female	22	Thakurli	21	103	200	1	200	2022-05-12
5	Tanaya	Female	38	Dombivli	22	105	60	4	240	2022-12-14
18	Reeven	Female	21	Thane	23	117	80	2	160	2020-10-18
20	Adhira	Female	28	Kalyan	24	105	60	1	60	2022-11-12
14	Sahil	Male	37	Kalyan	25	104	150	1	150	2021-02-13
12	Ankit	Male	25	Dombivli	26	119	35	1	35	2023-01-03
6	Chinmay	Male	27	Thakurli	27	103	200	1	200	2021-04-23
2	Ritesh	Male	18	Dombivli	28	109	80	5	400	2019-06-17
16	Akash	Male	32	Dombivli	29	120	90	1	90	2021-08-06
14	Sahil	Male	37	Kalyan	30	104	150	1	150	2022-02-13
1	Kartik	Male	25	Koper	31	114	50	2	100	2022-11-13
17	Janhavi	Female	22	Thakurli	32	115	440	1	440	2022-05-12

3. Display Medicine information associated with sales table using Right join.

- SELECT m.med_id,m.Med_name, m.Price,m.Expiry_date, s.sales_id, s.Quantity AS 'Sold Quantity', s.Date AS 'Date of Sale'
  FROM medicine AS m
  RIGHT JOIN sales AS s
  ON s.med_id=m.med_id;

med_id	Med_name	Price	Expiry_date	sales_id	Sold Quantity	Date of Sale
108	Testoviron Depot 250 Injection	314	2023-03-24	1	1	2022-10-12
116	Ceflar 500mg Injection	215	2024-12-03	2	1	2023-01-13
113	Atarax 25mg Tablet	140	2023-05-09	3	2	2020-09-28
106	Evion LC Tablet	125	2025-01-15	4	2	2023-01-23
105	Dolo 650 Tablet	60	2024-04-17	5	5	2022-02-27
118	Clavbon Kid Oral Suspension	300	2023-11-28	6	1	2022-12-14
109	Nodosis Tablet	80	2023-10-20	7	3	2019-11-20
101	Allegra-M Tablet	120	2023-07-23	8	5	2022-08-13
114	Chymoral Forte Tablet	50	2023-09-04	9	2	2022-10-14
105	Dolo 650 Tablet	60	2024-04-17	10	2	2022-08-13
102	Benadryl Syrup	80	2024-04-13	11	1	2022-12-10
113	Atarax 25mg Tablet	140	2023-05-09	12	2	2021-04-23
119	O2 Tablet	35	2024-11-30	13	3	2022-11-12
107	Ibugesic Plus Tablet	100	2025-09-01	14	1	2022-12-29
112	Cofsils Naturals Cough Syrup ...	110	2022-11-19	15	1	2021-05-29
120	Duro-Tuss Dry Cough Liquid J...	90	2024-01-22	16	1	2021-04-23
105	Dolo 650 Tablet	60	2024-04-17	17	2	2022-08-13
110	Otrivin Oxy Nasal Spray	65	2024-03-02	18	1	2023-11-13
116	Ceflar 500mg Injection	215	2024-12-03	19	1	2022-08-01
105	Dolo 650 Tablet	60	2024-04-17	20	3	2022-03-16
103	Betadine 2% Gargle Mint	200	2023-12-14	21	1	2022-05-12
105	Dolo 650 Tablet	60	2024-04-17	22	4	2022-12-14
117	Koflet Ex Sugar-Free Bottle Of...	80	2023-03-14	23	2	2020-10-18
105	Dolo 650 Tablet	60	2024-04-17	24	1	2022-11-12
104	Manforce 100mg Tablet	150	2024-03-26	25	1	2021-02-13
119	O2 Tablet	35	2024-11-30	26	1	2023-01-03
103	Betadine 2% Gargle Mint	200	2023-12-14	27	1	2021-04-23
109	Nodosis Tablet	80	2023-10-20	28	5	2019-06-17
120	Duro-Tuss Dry Cough Liquid J...	90	2024-01-22	29	1	2021-08-06
104	Manforce 100mg Tablet	150	2024-03-26	30	1	2022-02-13
114	Chymoral Forte Tablet	50	2023-09-04	31	2	2022-11-13
115	Refresh Tears Eye Drop	440	2024-06-01	32	1	2022-05-12

VIEWS

1. Create a view for customer where there are only Male customer.

- CREATE VIEW male_cust AS
  SELECT * FROM customer
  WHERE Gender='Male';

- SHOW TABLES;

Tables_in_medical_store
customer
male_cust
medicine
sales

- SELECT * FROM male_cust;

cust_id	Name	Gender	Age	Address
1	Kartik	Male	25	Koper
2	Ritesh	Male	18	Dombivli
3	Tanmay	Male	30	Koper
6	Chinmay	Male	27	Thakurli
7	Ayush	Male	17	Kalyan
8	Aditya	Male	21	Thane
10	Ninad	Male	29	Dombivli
12	Ankit	Male	25	Dombivli
13	Nimesh	Male	34	Koper
14	Sahil	Male	37	Kalyan
15	Omkar	Male	20	Thane
16	Akash	Male	32	Dombivli

2. Create a view for customer where customers are from Dombivli.

- CREATE VIEW Dombivli_cust AS
  SELECT * FROM customer
  WHERE Address = 'Dombivli';

- SHOW TABLES;

Tables_in_medical_store
customer
dombivli_cust
male_cust
medicine
sales

- SELECT * FROM Dombivli_cust;

cust_id	Name	Gender	Age	Address
2	Ritesh	Male	18	Dombivli
5	Tanaya	Female	38	Dombivli
10	Ninad	Male	29	Dombivli
12	Ankit	Male	25	Dombivli
16	Akash	Male	32	Dombivli
19	Shakshi	Female	27	Dombivli

3. Create a view containing attributes of both customer table and sales table.

- create view customer_sales as
  SELECT c.cust_id, c.Name, c.Gender, c.Age, c.Address, s.sales_id,
  s.med_id, s.Cost, s.Quantity, s.Total_amount, s.Date
  FROM customer as c,sales as s
  WHERE c.cust_id=s.cust_id;

- SHOW TABLES;

Tables_in_medical_store
customer
customer_sales
dombivli_cust
male_cust
medicine
sales

- SELECT * from customer_sales;

cust_id	Name	Gender	Age	Address	sales_id	med_id	Cost	Quantity	Total_amount	Date
1	Kartik	Male	25	Koper	31	114	50	2	100	2022-11-13
2	Ritesh	Male	18	Dombivli	5	105	60	5	300	2022-02-27
2	Ritesh	Male	18	Dombivli	28	109	80	5	400	2019-06-17
3	Tanmay	Male	30	Koper	15	112	110	1	110	2021-05-29
4	Rutuja	Female	22	Thakurli	10	105	60	2	120	2022-08-13
5	Tanaya	Female	38	Dombivli	6	118	300	1	300	2022-12-14
5	Tanaya	Female	38	Dombivli	22	105	60	4	240	2022-12-14
6	Chinmay	Male	27	Thakurli	16	120	90	1	90	2021-04-23
6	Chinmay	Male	27	Thakurli	27	103	200	1	200	2021-04-23
7	Ayush	Male	17	Kalyan	11	102	80	1	80	2022-12-10
8	Aditya	Male	21	Thane	1	108	314	1	314	2022-10-12
8	Aditya	Male	21	Thane	9	114	50	2	100	2022-10-14
9	Akshada	Female	25	Koper	8	101	120	5	600	2022-08-13
10	Ninad	Male	29	Dombivli	12	113	140	2	280	2021-04-23
11	Vrinda	Female	23	Thakurli	7	109	80	3	240	2019-11-20
11	Vrinda	Female	23	Thakurli	20	105	60	3	180	2022-03-16
12	Ankit	Male	25	Dombivli	2	116	215	1	215	2023-01-13
12	Ankit	Male	25	Dombivli	26	119	35	1	35	2023-01-03
13	Nimesh	Male	34	Koper	18	110	65	1	65	2023-11-13

14	Sahil	Male	37	Kalyan	25	104	150	1	150	2021-02-13
14	Sahil	Male	37	Kalyan	30	104	150	1	150	2022-02-13
15	Omkar	Male	20	Thane	19	116	215	1	215	2022-08-01
16	Akash	Male	32	Dombivli	3	113	140	2	280	2020-09-28
16	Akash	Male	32	Dombivli	29	120	90	1	90	2021-08-06
17	Janhavi	Female	22	Thakurli	21	103	200	1	200	2022-05-12
17	Janhavi	Female	22	Thakurli	32	115	440	1	440	2022-05-12
18	Reeven	Female	21	Thane	23	117	80	2	160	2020-10-18
19	Shakshi	Female	27	Dombivli	4	106	125	2	250	2023-01-23
20	Adhira	Female	28	Kalyan	13	119	35	3	105	2022-11-12
20	Adhira	Female	28	Kalyan	24	105	60	1	60	2022-11-12
21	Kanika	Female	19	Panvel	17	105	60	2	120	2022-08-13
22	Myra	Female	31	Panvel	14	107	100	1	100	2022-12-29

SIMPLE SQL QUERIES BASED ON THE ABOVE MADE VIEW TABLE.

1. Show all customers who are above 25 and have made a purchase over 150.

➢ SELECT * from customer_sales
WHERE Age > 25 AND total_amount > 150;

cust_id	Name	Gender	Age	Address	sales_id	med_id	Cost	Quantity	Total_amount	Date
5	Tanaya	Female	38	Dombivli	6	118	300	1	300	2022-12-14
5	Tanaya	Female	38	Dombivli	22	105	60	4	240	2022-12-14
6	Chinmay	Male	27	Thakurli	27	103	200	1	200	2021-04-23
10	Ninad	Male	29	Dombivli	12	113	140	2	280	2021-04-23
16	Akash	Male	32	Dombivli	3	113	140	2	280	2020-09-28
19	Shakshi	Female	27	Dombivli	4	106	125	2	250	2023-01-23

2. Show the customers who bought the medicine in 2022 and are from Thane.

➢ SELECT * from customer_sales
WHERE Date LIKE '2022%' and Address = 'Thane';

cust_id	Name	Gender	Age	Address	sales_id	med_id	Cost	Quantity	Total_amount	Date
8	Aditya	Male	21	Thane	1	108	314	1	314	2022-10-12
8	Aditya	Male	21	Thane	9	114	50	2	100	2022-10-14
15	Omkar	Male	20	Thane	19	116	215	1	215	2022-08-01

3. Show the customers who have a purchase greater than 250 and less than 450.

➢ SELECT * from customer_sales
WHERE total_amount BETWEEN 250 AND 450;

cust_id	Name	Gender	Age	Address	sales_id	med_id	Cost	Quantity	Total_amount	Date
8	Aditya	Male	21	Thane	1	108	314	1	314	2022-10-12
16	Akash	Male	32	Dombivli	3	113	140	2	280	2020-09-28
19	Shakshi	Female	27	Dombivli	4	106	125	2	250	2023-01-23
2	Ritesh	Male	18	Dombivli	5	105	60	5	300	2022-02-27
5	Tanaya	Female	38	Dombivli	6	118	300	1	300	2022-12-14
10	Ninad	Male	29	Dombivli	12	113	140	2	280	2021-04-23
2	Ritesh	Male	18	Dombivli	28	109	80	5	400	2019-06-17
17	Janhavi	Female	22	Thakurli	32	115	440	1	440	2022-05-12

4. Show the sum amount, customers have purchased based on they location.

➢ SELECT sum(total_amount) AS 'Total', Address
from customer_sales
group by Address;

Total	Address
875	Koper
2390	Dombivli
1470	Thakurli
545	Kalyan
789	Thane
220	Panvel

5. Show Total amount spend by each Gender.

➢ SELECT sum(total_amount) AS 'Total', Gender
from customer_sales
group by Gender;

Total	Gender
3174	Male
3115	Female

6. Show the total customer in each gender.

- SELECT count(cust_id) AS 'Total Customer', Gender
  from customer_sales
  group by Gender;

	Total Customer	Gender
▶	18	Male
	14	Female