SQL QUERIES

SELECT * FROM sales.customers; (Show all customer records)

customer_code	custmer_name	customer_ty...
Cus001	Surge Stores	Brick & Mortar
Cus002	Nomad Stores	Brick & Mortar
Cus003	Excel Stores	Brick & Mortar
Cus004	Surface Stores	Brick & Mortar
Cus005	Premium Stores	Brick & Mortar
Cus006	Electricalsara Stores	Brick & Mortar
Cus007	Info Stores	Brick & Mortar
Cus008	Acclaimed Stores	Brick & Mortar
Cus009	Electricalsquipo Stores	Brick & Mortar
Cus010	Atlas Stores	Brick & Mortar
Cus011	Flawless Stores	Brick & Mortar
Cus012	Integration Stores	Brick & Mortar
Cus013	Unity Stores	Brick & Mortar
Cus014	Forward Stores	Brick & Mortar
Cus015	Electricalsbea Stores	Brick & Mortar
Cus016	Logic Stores	Brick & Mortar
Cus017	Epic Stores	Brick & Mortar
Cus018	Electricalslance Stores	Brick & Mortar
Cus019	Electricalsopedia Sto...	Brick & Mortar
Cus020	Nixon	E-Commerce
Cus021	Modular	E-Commerce
Cus022	Electricalslytical	E-Commerce
Cus023	Sound	E-Commerce
Cus024	Power	E-Commerce
Cus025	Path	E-Commerce
Cus026	Insight	E-Commerce
Cus027	Control	E-Commerce
Cus028	Sage	E-Commerce
Cus029	Electricalsocity	E-Commerce
Cus030	Synthetic	E-Commerce

SELECT count(*) FROM customers; (Show total number of customers)

count(*)
38

SELECT * FROM sales.transactions where market_code='Mark001';

product_co...	customer_code	market_code	order_date	sales_qty	sales_amount	currency
Prod001	Cus001	Mark001	2017-10-10	100	41241	INR
Prod013	Cus001	Mark001	2017-10-10	240	143560	INR
Prod001	Cus001	Mark001	2017-10-10	100	41241	INR
Prod013	Cus001	Mark001	2017-10-10	240	143560	INR
Prod016	Cus001	Mark001	2018-06-28	187	115481	INR
Prod020	Cus001	Mark001	2017-10-10	140	153019	INR
Prod020	Cus001	Mark001	2017-10-25	47	51005	INR
Prod020	Cus001	Mark001	2017-11-14	47	51005	INR
Prod040	Cus001	Mark001	2018-01-05	240	168245	INR
Prod040	Cus001	Mark001	2018-01-12	167	104648	INR
Prod040	Cus001	Mark001	2018-01-15	240	168245	INR
Prod040	Cus001	Mark001	2018-01-30	193	135532	INR
Prod040	Cus001	Mark001	2018-02-12	40	28042	INR
Prod040	Cus001	Mark001	2018-02-13	40	25116	INR
Prod040	Cus001	Mark001	2018-04-03	480	336495	INR
Prod040	Cus001	Mark001	2018-04-27	120	75347	INR
Prod040	Cus001	Mark001	2018-04-30	120	84125	INR
Prod040	Cus001	Mark001	2018-05-16	160	100463	INR
Prod040	Cus001	Mark001	2018-08-15	400	251162	INR
Prod040	Cus001	Mark001	2018-10-11	40	28042	INR
Prod040	Cus001	Mark001	2019-05-28	80	50231	INR
Prod040	Cus001	Mark001	2019-06-07	80	50231	INR
Prod040	Cus001	Mark001	2019-06-19	40	25116	INR
Prod040	Cus001	Mark001	2019-06-26	120	75347	INR
Prod040	Cus001	Mark001	2019-07-11	40	25116	INR
Prod040	Cus001	Mark001	2019-08-19	40	28042	INR
Prod040	Cus001	Mark001	2019-08-28	40	28042	INR
Prod040	Cus001	Mark001	2019-10-30	240	168250	INR
Prod040	Cus001	Mark001	2019-11-25	40	28042	INR
Prod040	Cus001	Mark001	2019-12-18	40	28042	INR

SELECT distinct product_code FROM sales.transactions where market_code='Mark001'; (Show distrinct product codes that were sold in Chennai)

produ...
Prod...
Prod...
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Prod...
Prod...
Prod...

SELECT * from sales.transactions where currency="USD" (Show transactions where currency is US dollars)

produ...	customer_code	market_code	order_date	sales_qty	sales_amount	currency
Prod...	Cus005	Mark004	2017-11-20	59	500	USD
Prod...	Cus005	Mark004	2017-11-22	36	250	USD

SELECT sales.transactions.*, sales.date.* FROM sales.transactions INNER JOIN sales.date ON sales.transactions.order_date=sales.date.date

produ...	customer_code	market_code	order_date	sales_qty	sales_amount	currency	date	cy_date	year	month_name	date_yy_mmm
Prod...	Cus002	Mark002	2018-05-05	5	7	INR	2018-05-05	2018-05-01	2018	May	18-May
Prod...	Cus003	Mark003	2018-04-06	1	875	INR	2018-04-06	2018-04-01	2018	April	18-Apr
Prod...	Cus003	Mark003	2018-04-11	1	583	INR	2018-04-11	2018-04-01	2018	April	18-Apr
Prod...	Cus004	Mark003	2018-06-18	6	7176	INR	2018-06-18	2018-06-01	2018	June	18-Jun
Prod...	Cus005	Mark004	2017-11-20	59	500	USD	2017-11-20	2017-11-01	2017	November	17-Nov
Prod...	Cus005	Mark004	2017-11-22	36	250	USD	2017-11-22	2017-11-01	2017	November	17-Nov
Prod...	Cus005	Mark004	2017-11-23	39	21412	INR	2017-11-23	2017-11-01	2017	November	17-Nov
Prod...	Cus005	Mark004	2017-11-27	35	19213	INR	2017-11-27	2017-11-01	2017	November	17-Nov
Prod...	Cus005	Mark004	2017-11-28	310	170185	INR	2017-11-28	2017-11-01	2017	November	17-Nov
Prod...	Cus005	Mark004	2017-11-29	184	101194	INR	2017-11-29	2017-11-01	2017	November	17-Nov
Prod...	Cus005	Mark004	2017-11-30	35	19213	INR	2017-11-30	2017-11-01	2017	November	17-Nov
Prod...	Cus005	Mark004	2017-11-29	17	9426	INR	2017-11-29	2017-11-01	2017	November	17-Nov
Prod...	Cus005	Mark004	2017-12-19	1	218	INR	2017-12-19	2017-12-01	2017	December	17-Dec
Prod...	Cus005	Mark004	2018-08-07	5	3093	INR	2018-08-07	2018-08-01	2018	August	18-Aug
Prod...	Cus006	Mark004	2017-12-04	58	30306	INR	2017-12-04	2017-12-01	2017	December	17-Dec
Prod...	Cus006	Mark004	2018-06-29	38	52319	INR	2018-06-29	2018-06-01	2018	June	18-Jun
Prod...	Cus006	Mark004	2018-07-02	93	126296	INR	2018-07-02	2018-07-01	2018	July	18-Jul
Prod...	Cus006	Mark004	2018-07-03	79	107500	INR	2018-07-03	2018-07-01	2018	July	18-Jul
Prod...	Cus006	Mark004	2018-07-04	1	273	INR	2018-07-04	2018-07-01	2018	July	18-Jul
Prod...	Cus006	Mark004	2018-07-06	3	3574	INR	2018-07-06	2018-07-01	2018	July	18-Jul
Prod...	Cus006	Mark004	2018-07-13	1	273	INR	2018-07-13	2018-07-01	2018	July	18-Jul
Prod...	Cus006	Mark004	2019-06-07	20	23403	INR	2019-06-07	2019-06-01	2019	June	19-Jun
Prod...	Cus006	Mark004	2019-07-29	81	76329	INR	2019-07-29	2019-07-01	2019	July	19-Jul
Prod...	Cus006	Mark004	2019-08-01	5	4542	INR	2019-08-01	2019-08-01	2019	August	19-Aug
Prod...	Cus006	Mark004	2019-09-19	18	16579	INR	2019-09-19	2019-09-01	2019	September	19-Sep
Prod...	Cus006	Mark004	2019-09-27	90	105301	INR	2019-09-27	2019-09-01	2019	September	19-Sep
Prod...	Cus007	Mark004	2017-10-09	1	185	INR	2017-10-09	2017-10-01	2017	October	17-Oct
Prod...	Cus007	Mark004	2017-10-13	1	556	INR	2017-10-13	2017-10-01	2017	October	17-Oct
Prod...	Cus007	Mark004	2017-10-27	1	551	INR	2017-10-27	2017-10-01	2017	October	17-Oct
Prod...	Cus007	Mark004	2017-11-03	1	167	INR	2017-11-03	2017-11-01	2017	November	17-Nov
Prod...	Cus007	Mark004	2017-11-06	1	333	INR	2017-11-06	2017-11-01	2017	November	17-Nov

SELECT sales.transactions.*, sales.date.* FROM sales.transactions INNER JOIN sales.date ON sales.transactions.order_date=sales.date.date where sales.date.year=2020;

produ...	customer_code	market_code	order_date	sales_qty	sales_amount	currency	date	cy_date	year	month_name	date_yy_mmm
Prod...	Cus007	Mark004	2020-01-15	1	472	INR	2020-01-15	2020-01-01	2020	January	20-Jan
Prod...	Cus007	Mark004	2020-01-17	2	2042	INR	2020-01-17	2020-01-01	2020	January	20-Jan
Prod...	Cus007	Mark004	2020-02-07	1	417	INR	2020-02-07	2020-02-01	2020	February	20-Feb
Prod...	Cus007	Mark004	2020-02-14	1	310	INR	2020-02-14	2020-02-01	2020	February	20-Feb
Prod...	Cus007	Mark004	2020-02-28	1	208	INR	2020-02-28	2020-02-01	2020	February	20-Feb
Prod...	Cus007	Mark004	2020-03-06	1	620	INR	2020-03-06	2020-03-01	2020	March	20-Mar
Prod...	Cus007	Mark004	2020-03-13	1	620	INR	2020-03-13	2020-03-01	2020	March	20-Mar
Prod...	Cus007	Mark004	2020-04-03	1	829	INR	2020-04-03	2020-04-01	2020	April	20-Apr
Prod...	Cus007	Mark004	2020-04-14	4	2694	INR	2020-04-14	2020-04-01	2020	April	20-Apr
Prod...	Cus007	Mark004	2020-04-20	1	102	INR	2020-04-20	2020-04-01	2020	April	20-Apr
Prod...	Cus007	Mark004	2020-05-15	2	528	INR	2020-05-15	2020-05-01	2020	May	20-May
Prod...	Cus016	Mark002	2020-06-12	1	1028	INR	2020-06-12	2020-06-01	2020	June	20-Jun
Prod...	Cus016	Mark002	2020-06-16	1	514	INR	2020-06-16	2020-06-01	2020	June	20-Jun
Prod...	Cus007	Mark004	2020-01-09	1	630	INR	2020-01-09	2020-01-01	2020	January	20-Jan
Prod...	Cus007	Mark004	2020-01-10	1	472	INR	2020-01-10	2020-01-01	2020	January	20-Jan
Prod...	Cus007	Mark004	2020-01-17	2	2042	INR	2020-01-17	2020-01-01	2020	January	20-Jan
Prod...	Cus007	Mark004	2020-02-07	1	417	INR	2020-02-07	2020-02-01	2020	February	20-Feb
Prod...	Cus007	Mark004	2020-02-14	1	310	INR	2020-02-14	2020-02-01	2020	February	20-Feb
Prod...	Cus007	Mark004	2020-02-28	1	208	INR	2020-02-28	2020-02-01	2020	February	20-Feb
Prod...	Cus007	Mark004	2020-03-06	1	620	INR	2020-03-06	2020-03-01	2020	March	20-Mar
Prod...	Cus007	Mark004	2020-03-13	1	620	INR	2020-03-13	2020-03-01	2020	March	20-Mar
Prod...	Cus007	Mark004	2020-04-03	1	829	INR	2020-04-03	2020-04-01	2020	April	20-Apr
Prod...	Cus007	Mark004	2020-04-14	4	2694	INR	2020-04-14	2020-04-01	2020	April	20-Apr
Prod...	Cus007	Mark004	2020-04-20	1	102	INR	2020-04-20	2020-04-01	2020	April	20-Apr
Prod...	Cus007	Mark004	2020-05-15	2	528	INR	2020-05-15	2020-05-01	2020	May	20-May
Prod...	Cus016	Mark002	2020-06-12	1	1028	INR	2020-06-12	2020-06-01	2020	June	20-Jun
Prod...	Cus016	Mark002	2020-06-16	1	514	INR	2020-06-16	2020-06-01	2020	June	20-Jun
Prod...	Cus025	Mark002	2020-01-02	5	10495	INR	2020-01-02	2020-01-01	2020	January	20-Jan
Prod...	Cus022	Mark002	2020-01-07	4	9190	INR	2020-01-07	2020-01-01	2020	January	20-Jan
Prod...	Cus024	Mark002	2020-01-07	1	338	INR	2020-01-07	2020-01-01	2020	January	20-Jan
Prod...	Cus022	Mark002	2020-01-07	27	56537	INR	2020-01-07	2020-01-01	2020	January	20-Jan

SELECT SUM(sales.transactions.sales_amount) FROM sales.transactions INNER JOIN sales.date ON sales.transactions.order_date=sales.date.date where sales.date.year=2020 ; (The total revenue in year 2019 was 142235559)

SUM(sales.transactions.sales_amo...
142235559

SELECT SUM(sales.transactions.sales_amount) FROM sales.transactions INNER JOIN sales.date ON sales.transactions.order_date=sales.date.date where sales.date.year=2019 ; (The total revenue in year 2019 was RS 336452114)

100%	↕	166:1	

Result Grid	🔢 ↩ Filter Rows:	🔍 Search	Export: 💾

SUM(sales.transactions.sales_amo...
336452114

SELECT SUM(sales.transactions.sales_amount) FROM sales.transactions INNER JOIN sales.date ON sales.transactions.order_date=sales.date.date where sales.date.year=2020 and sales.transactions.currency="INR\r" or sales.transactions.currency="USD\r";

100%	↕	1:1	1 error found

Result Grid	🔢 ↩ Filter Rows:	🔍 Search	Export: 💾

SUM(sales.transactions.sales_amo...
142224545

SELECT SUM(sales.transactions.sales_amount) FROM sales.transactions INNER JOIN sales.date ON sales.transactions.order_date=sales.date.date where sales.date.year=2020 and sales.transactions.market_code="Mark001";

100%	⇕	86:1	

Result Grid | Filter Rows: 🔍 Search | Export: 💾

SUM(sales.transactions.sales_amo...	
2463024	