TASK 6 DATA ANALYST

➤ SELECT * from customers;

	customer_id	first_name	last_name	birth_date	phone	address	city	state	points
▶	1	Babara	MacCaffrey	1986-03-28	781-932-9754	0 Sage Terrace	Waltham	MA	2273
	2	Ines	Brushfield	1986-04-13	804-427-9456	14187 Commercial Trail	Hampton	VA	947
	3	Freddi	Boagey	1985-02-07	719-724-7869	251 Springs Junction	Colorado Springs	CO	2967
	4	Ambur	Roseburgh	1974-04-14	407-231-8017	30 Arapahoe Terrace	Orlando	FL	457
	5	Clemmie	Betchley	1973-11-07	NULL	5 Spohn Circle	Arlington	TX	3675
	6	Elka	Twiddell	1991-09-04	312-480-8498	7 Manley Drive	Chicago	IL	3073
	7	Ilene	Dowson	1964-08-30	615-641-4759	50 Lillian Crossing	Nashville	TN	1672
	8	Thacher	Naseby	1993-07-17	941-527-3977	538 Mosinee Center	Sarasota	FL	205
	9	Romola	Rumgay	1992-05-23	559-181-3744	3520 Ohio Trail	Visalia	CA	1486
	10	Levy	Mynett	1969-10-13	404-246-3370	68 Lawn Avenue	Atlanta	GA	796
	11	jl	ljs	NULL	NULL	sddsfs	dadf	kj	789
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

➤ SELECT * from customers where customer_id=1;

	customer_id	first_name	last_name	birth_date	phone	address	city	state	points
▶	1	Babara	MacCaffrey	1986-03-28	781-932-9754	0 Sage Terrace	Waltham	MA	2273
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

➤ SELECT last_name, first_name, points,(points + 10) * 100 AS discountfactor FROM customers;

	last_name	first_name	points	discountfactor
▶	MacCaffrey	Babara	2273	228300
	Brushfield	Ines	947	95700
	Boagey	Freddi	2967	297700
	Roseburgh	Ambur	457	46700
	Betchley	Clemmie	3675	368500
	Twiddell	Elka	3073	308300
	Dowson	Ilene	1672	168200
	Naseby	Thacher	205	21500
	Rumgay	Romola	1486	149600
	Mynett	Levy	796	80600
	ljs	jl	789	79900

➤ SELECT * FROM Customers WHERE birth_date > 1990-01-01 OR points > 1000 AND state = 'VA';

	customer_id	first_name	last_name	birth_date	phone	address	city	state	points
▶	1	Babara	MacCaffrey	1986-03-28	781-932-9754	0 Sage Terrace	Waltham	MA	2273
	2	Ines	Brushfield	1986-04-13	804-427-9456	14187 Commercial Trail	Hampton	VA	947
	3	Freddi	Boagey	1985-02-07	719-724-7869	251 Springs Junction	Colorado Springs	CO	2967
	4	Ambur	Roseburgh	1974-04-14	407-231-8017	30 Arapahoe Terrace	Orlando	FL	457
	5	Clemmie	Betchley	1973-11-07	NULL	5 Spohn Circle	Arlington	TX	3675
	6	Elka	Twiddell	1991-09-04	312-480-8498	7 Manley Drive	Chicago	IL	3073
	7	Ilene	Dowson	1964-08-30	615-641-4759	50 Lillian Crossing	Nashville	TN	1672
	8	Thacher	Naseby	1993-07-17	941-527-3977	538 Mosinee Center	Sarasota	FL	205
	9	Romola	Rumgay	1992-05-23	559-181-3744	3520 Ohio Trail	Visalia	CA	1486
	10	Levy	Mynett	1969-10-13	404-246-3370	68 Lawn Avenue	Atlanta	GA	796
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

➢ SELECT * FROM products WHERE quantity_in_stock IN (49, 38, 72);

	product_id	name	quantity_in_stock	unit_price
▶	2	Pork - Bacon,back Peameal	49	4.65
	3	Lettuce - Romaine, Heart	38	3.35
*	NULL	NULL	NULL	NULL

➢ SELECT birth_date, first_name, last_name, 10 As points from customers order by first_name;

	birth_date	first_name	last_name	points
▶	1974-04-14	Ambur	Roseburgh	10
	1986-03-28	Babara	MacCaffrey	10
	1973-11-07	Clemmie	Betchley	10
	1991-09-04	Elka	Twiddell	10
	1985-02-07	Freddi	Boagey	10
	1964-08-30	Ilene	Dowson	10
	1986-04-13	Ines	Brushfield	10
	NULL	jl	ljs	10
	1969-10-13	Levy	Mynett	10
	1992-05-23	Romola	Rumgay	10
	1993-07-17	Thacher	Naseby	10

➢ USE sql_hr;
➢ SELECT e. employee_id, e. first_name, m. first_name AS manager FROM employees e JOIN employees m ON e. reports_to = m. employee_id;

	employee_id	first_name	manager
▶	33391	D'arcy	Yovonnda
	37851	Sayer	Yovonnda
	40448	Mindy	Yovonnda
	56274	Keriann	Yovonnda
	63196	Alaster	Yovonnda
	67009	North	Yovonnda
	67370	Elladine	Yovonnda
	68249	Nisse	Yovonnda
	72540	Guthrey	Yovonnda
	72913	Kass	Yovonnda
	75900	Virge	Yovonnda
	76196	Mirilla	Yovonnda

	employee_id	first_name	manager
	68249	Nisse	Yovonnda
	72540	Guthrey	Yovonnda
	72913	Kass	Yovonnda
	75900	Virge	Yovonnda
	76196	Mirilla	Yovonnda
	80529	Lynde	Yovonnda
	80679	Mildrid	Yovonnda
	84791	Hazel	Yovonnda
	95213	Cole	Yovonnda
	96513	Theresa	Yovonnda
	98374	Estrellita	Yovonnda
	115357	Ivy	Yovonnda

- USE sql_store;
- SELECT o .order_id,o. order_date,c. first_name,c. last_name, os. name AS status FROM orders o JOIN customers c ON o. customer_id = c. customer_id JOIN order_statuses os ON o.status = os. order_status_id;

order_id	order_date	first_name	last_name	status
8	2018-06-08	Clemmie	Betchley	Processed
6	2018-11-18	Levy	Mynett	Processed
4	2017-01-22	Ines	Brushfield	Processed
3	2017-12-01	Thacher	Naseby	Processed
1	2019-01-30	Elka	Twiddell	Processed
10	2018-04-22	Elka	Twiddell	Shipped
9	2017-07-05	Levy	Mynett	Shipped
7	2018-09-22	Ines	Brushfield	Shipped
5	2017-08-25	Clemmie	Betchley	Shipped
2	2018-08-02	Ilene	Dowson	Shipped

- SELECT o.order_id, c.first_name FROM orders o INNER JOIN customers c ON o.customer_id = c.customer_id;

order_id	first_name
4	Ines
7	Ines
5	Clemmie
8	Clemmie
1	Elka
10	Elka
2	Ilene
3	Thacher
6	Levy
9	Levy

- SELECT c.first_name,c.last_name, o.order_id FROM customers c LEFT JOIN orders o ON c.customer_id = o.customer_id;

first_name	last_name	order_id
Babara	MacCaffrey	NULL
Ines	Brushfield	4
Ines	Brushfield	7
Freddi	Boagey	NULL
Ambur	Roseburgh	NULL
Clemmie	Betchley	5
Clemmie	Betchley	8
Elka	Twiddell	1
Elka	Twiddell	10
Ilene	Dowson	2
Thacher	Naseby	3
Romola	Rumgay	NULL
Levy	Mynett	6
Levy	Mynett	9
jl	ljs	NULL

➢ SELECT o.order_id, c.first_name, c.last_name
  FROM customers c
  RIGHT JOIN orders o ON c.customer_id = o.customer_id;

order_id	first_name	last_name
4	Ines	Brushfield
7	Ines	Brushfield
5	Clemmie	Betchley
8	Clemmie	Betchley
1	Elka	Twiddell
10	Elka	Twiddell
2	Ilene	Dowson
3	Thacher	Naseby
6	Levy	Mynett
9	Levy	Mynett

➢ SELECT first_name , points
  FROM customers
  WHERE points IN (
  SELECT points FROM orders WHERE points>1000);

first_name	points
Babara	2273
Freddi	2967
Clemmie	3675
Elka	3073
Ilene	1672
Romola	1486

➢ SELECT min(points) from customers;

min(points)
205

➢ SELECT max(points) from customers;

max(points)
3675

➢ SELECT SUM(quantity)
  FROM Order_items;

SUM(quantity)
87

➢ SELECT avg(unit_price) from products;

avg(unit_price)
2.397273

➢ CREATE VIEW expensive_products AS
SELECT
product_id,
name AS product_name,
unit_price
FROM
products
ORDER BY
unit_price DESC;

➢ SELECT * FROM expensive_products;

product_id	product_name	unit_price
2	Pork - Bacon,back Peameal	4.65
4	Brocolinni - Gaylan, Chinese	4.53
3	Lettuce - Romaine, Heart	3.35
7	Sweet Pea Sprouts	3.29
6	Petit Baguette	2.39
9	Longan	2.26
5	Sauce - Ranch Dressing	1.63
11	heee	1.23
1	Foam Dinner Plate	1.21
10	Broom - Push	1.09
8	Island Oasis - Raspberry	0.74

jfdkj

➢ SELECT
EXTRACT(YEAR FROM order_date) AS order_year,
EXTRACT(MONTH FROM order_date) AS order_month,
EXTRACT(DAY FROM order_date) AS order_day
FROM orders;

order_year	order_month	order_day
2019	1	30
2018	8	2
2017	12	1
2017	1	22
2017	8	25
2018	11	18
2018	9	22
2018	6	8
2017	7	5
2018	4	22