1. Using SELECT* statement

a. Customers

SELECT*FROM customers

CTR_NU	EMAIL	FIRST_NAME	LAST_NAME	PHONE_NUMBE CURRENT_1	BALANCE SRE_ TEN	_ LOYALT
c00001	bob.thornberry@heatmail.com	Robert	Thornberry	01234567898	150 sr01 t00	1
c00012	Jjones@freemail.com	Jennifer	Jones	01505214598	0	1c1015
c00101	unknown@here.com	John	Doe	03216547808	987.5 sr01 t00	2
c00103	MurciaA@globaltech.com	Andrew	Murcia	07715246890	85	1c2341
c01986	margal87@delphiview.com	Maria	Galant	01442736589	125.65 sr03 t00	3
t004	brianrog@hootech.com	Brian	Rogers	01654564898	50	lc4587

b. Teams

SELECT*FROM teams

		NUMBER_OF_PLAYERS	NAME	∯ ID	
0	10	25	Rockets	t001	1
0	20	42	Celtics	t002	2
)	(null)	8	Rovers	t003	3
5	5	10	Jets	t004	4

c. Items

SELECT*FROM items

	R ∯ NAME				Size	
1 im01101044	gloves	catcher mitt	clothing	brown	m	i1010230124
2 im01101045	under shirt	top worn under the game top	clothing	white	s	i1010230125
3 im01101046	socks	team socks with emblem	clothing	range	1	i1010230126
4 im01101047	game top	team shirt with emblem	clothing	range	m	i1010230127
5 im01101048	premium bat	high quaity basball bat	equipment	(null)	(null)	i1010230128

1. Display

SELECT ctr_number, first_name, last_name, phone_number FROM customers

CTR_NU	FIRST_NAME	LAST_NAME	PHONE_NUMBE
c00001	Robert	Thornberry	01234567898
c00012	Jennifer	Jones	01505214598
c00101	John	Doe	03216547808
c00103	Andrew	Murcia	07715246890
c01986	Maria	Galant	01442736589
t004	Brian	Rogers	01654564898

2. Display

SELECT name, number_of_players FROM teams

NAME	NUMBER_OF_PLAYERS
Rockets	25
Celtics	42
Rovers	8
Jets	10

3. Display

SELECT name, description, category

FROM items

NAME	DESCRIPTION	CATEGORY
gloves	catcher mitt	clothing
under shirt	top worn under the game top	clothing
socks	team socks with emblem	clothing
game top	team shirt with emblem	clothing
premium bat	high quaity basball bat	equipment

1.Monthly payment

SELECT first_name, last_name, current_balance, current_balance/12
FROM customers

FIRST_NAME	LAST_NAME	CURRENT_BALANCE CUR	RENT_BALANCE/12
Robert	Thornberry	150	12.5
Jennifer	Jones	0	0
John	Doe	987.5	82.2916667
Andrew	Murcia	85	7.08333333
Maria	Galant	125.65	10.4708333
Brian	Rogers	50	4.16666667

2. current balance - 5

SELECT first_name, last_name, current_balance, current_balance - 5
FROM customers

FIRST_NAME	LAST_NAME	CURRENT_BALANCE CURRENT_B	ALANCE-5
Robert	Thornberry	150	145
Jennifer	Jones	0	-5
John	Doe	987.5	982.5
Andrew	Murcia	85	80
Maria	Galant	125.65	120.65
Brian	Rogers	50	45

3. The value of 0 when minus with the 5 will get negative value while the constraints for the current balance is \geq =0. The column only calculate.

1. Column Alias

SELECT first_name "First Name", last_name "Last Name", current_balance
"Balance", current_balance/12 "Montlhy Repayments"

FROM customers

First Name	Last Name	Balance	Montlhy Repayments
Robert	Thornberry	150	12.5
Jennifer	Jones	0	0
John	Doe	987.5	82.2916667
Andrew	Murcia	85	7.08333333
Maria	Galant	125.65	10.4708333
Brian	Rogers	50	4.16666667

1. Literal String

```
SELECT 'The ' || name || ' team has ' || number_of_players || ' players and
does not receive a discount of ' AS "Team Information"
FROM teams
```

Team Information

The Rockets team has 25 players and receives a discount of 10 percent
The Celtics team has 42 players and receives a discount of 20 percent
The Rovers team has 8 players and receives a discount of percent
The Jets team has 10 players and receives a discount of 5 percent

2. There is null value in the discount column for the Rovers team

1. Maria Glant

SELECT*FROM customers
WHERE ctr_number = 'c01986'

CTR_NU EMAIL	FIRST_NAME	LAST_NAME	PHONE_NUMBE CURRENT_	BALANCE SRE_ TEM_ LOYALT
c01986 margal87@delphiview.com	Maria	Galant	01442736589	125.65 sr03 t003

2. Current Balance >= 100

SELECT first_name, last_name, ctr_number
FROM customers

WHERE current_balance >= 100

	FIRST_NAME	LAST_NAME	CTR_NU
1			
1	Robert	Thornberry	c00001
ı	John	Doe	c00101
1	Maria	Galant	c01986
1			

3. Order 28th May 2019

SELECT id, odr_date, odr_time
FROM orders

WHERE odr_date < '28-May-2019'

ID	ODR_DATE	ODR_TIME
or0101250	17/04/2017	17/04/2017
or0101350	24/05/2017	24/05/2017
or0101425	28/05/2017	28/05/2017
or0101681	02/06/2017	02/06/2017
or0101750	18/06/2017	18/06/2017

1. BETWEEN 3.00 and 15.00

ELECT id, cost, units
FROM inventory_list

WHERE cost BETWEEN 3.00 AND 15.00

ID	COST	UNITS
i1010230125	7.99	250
i1010230126	5.24	87

1. IN (50, 100, 150, 200)

SELECT id, cost, units FROM inventory_list WHERE units IN (50, 100, 150, 200)

	ID	COST	UNITS
ı			
	i1010230124	2.5	100

1. NOT IN (50, 100, 150, 200)

SELECT id, cost, units
FROM inventory_list

WHERE units NOT IN (50, 100, 150, 200)

ı	ID	COST	UNITS
ı			
ı	i1010230125	7.99	250
ı	i1010230126	5.24	87
ı	i1010230127	18.95	65
ı	i1010230128	97.46	8
- 1	l .		

1. LIKE 'g%'

SELECT itm_number, name
FROM items

WHERE name LIKE 'g%'

ITM_NUMBER NAME

im01101044 gloves im01101047 game top

1. Discount is NULL

```
SELECT 'The ' || name || ' team has ' || number_of_players || ' players and
does not receive a discount of ' AS "Team Information"
FROM teams
WHERE discount is NULL;
Team Information
The Rovers team has 8 players and does not receive a discount of
      2. Discount is 10 percent
SELECT 'The ' || name || ' team has ' || number_of_players || ' players and
receive a discount of ' || discount || ' percent' AS "Team Information"
FROM teams
WHERE discount = 10;
Team Information
The Rockets team has 25 players and receive a discount of 10 percent
      1. City = 'Liverpool' AND address_line_2 = 'Starford'
SELECT ctr_number "Customer Number", address_line_1 "Street Address", zip_code
"Postal Code"
FROM customers_addresses
WHERE city = 'Liverpool'
AND address_line_2 = 'Starford' ;
Custom Street Address Postal
 _____
c00001 17 Gartsquare Road
                             LP89JHK
```

```
1. City = 'Liverpool' OR address_line_2 = 'Starford'
```

1. City NOT IN Liverpool

1. Name ascending

2. Name Descending

3. Alias Column

```
SELECT name "Team Name", number_of_players "Player" FROM teams
ORDER BY DESC
```

Team Name	Player
Rovers	8
Rockets	25
Jets	10
Celtics	42

1. TOP-N-ANALYSIS

2. Substitution

```
SELECT first_name, last_name "Last Name", commission_rate "Commission Rate"

FROM sales_representatives

WHERE commission_rate =: com_rate

ORDER BY last_name

First Name Last Name Commission Rate

1 Barry Speed 5
2 Victoria Wright 5
```