

- 1) (a) Number of the apartments with more than 50 Area

$\delta \text{Area} > 50$ (Apartment)

ApartmentID	Number	Block	Owner	Area	Rooms
2	102	3	Nell Pear1	60	3
3	103	1	Alex Van Halen	75	3
6	306	1	Sammy Hogar	70	3
9	409	1	Wolfgang Van Halen	65	3
10	310	2	Valerie Berthelli	90	3

- (b) Show the number and Owner of the apartments with more than 2 rooms and less than 4 rooms

$(\text{Rooms} > 2 \wedge \text{Rooms} < 4)$ (Apartment)

Number	Owner
102	Nell Pear1
103	Alex van Halen
306	Sammy Hogar
409	Wolfgang Van Halen
310	Valerie Berthelli

- (c) Show the number, Owner and Area of the apartments with more than 40 Area and less than 70 Area

$\delta \text{Area} > 40 \wedge \text{Area} < 70$ (Apartment)

Number	Owner	Area
102	Nell Pear1	60
207	Michael Anthony	40
308	Gary Cherone	55
409	Wolfgang Van Halen	65

- (d) Show all the rows of the table apartment where the Owner contains the word Van Halen and called VanHaleno Apartments

ID	Number	Block	Owner	Aired	Room
3	103	1	Alex Van Haken	75	3
4	304	2	Eddie Van Haken	30	1
9	409	1	Wolfgang Van Haken	65	3

ID	Number	Block	Owner	Aired	Room
3	103	1	Alex Van Haken	75	3
4	304	2	Eddie Van Haken	30	1
9	409	1	Wolfgang Van Haken	65	3

(c) Using next table called PubliServices show the number of the apartments with more than 60 Area with all the Public Services quadrads

DAWG > 60 (Apartment) > Public Services

3	103	1	Alex van Halen	75	3	1	water
6	306	1	Sammey Lager	70	3	2	electricity
9	409	1	Wolfgang van Halen	65	3	3	gas
10	310	2	Naklen e B smitelli	80	3		water

The apartments that have Public Services available are

[illegible]

Apartment	103
Apartment	306
Apartment	310

2) Based on the table Owner shows as follows

Owner ID	Name	Age	Children	Pets
1	Chad Smith	50	2	1
2	Neil Pearl	45	1	2
3	Alex Van Halem	60	3	1
4	Eddie Van Halem	58	2	0
5	David Lee Roth	55	1	1
6	Sammy Hagar	65	2	2
7	Michael Anthony	70	3	0
8	Gary Cherone	40	1	0
9	Wolfgang Van Halem	30	0	6
10	Valerie Bertinelli	65	2	1

a) Show the name of the owners with more than 50 Age
 & Age > 50 (Owner)

Name	Age
Alex Van Halem	60
Eddie Van Halem	58
David Lee Roth	55
Sammy Hagar	65
Michael Anthony	70
Valerie Bertinelli	65

b) Show the Name and Age of the Owners with more than 4 children
 and less than 3 Children
 & Children > 4 & Children < 3 (Owner)

Name	Age
Chad Smith	50
Eddie Van Halem	58

c) Show the Name Age and Children of the Owners with more than
 Age and less than 60 Age

& Age > 40 & Age < 60 (Owners)

Name	Age	Children
Neil Pearl	45	1
Alex Van Halem	60	3

d) Show all rows of the table Owner where there is a or or or substring in the name and called R Owners

if Name contains "or" (Owner)

Name	Age	Children	Pets
Gary Cherone	40	1	0
Valene Bartholli	63	2	1

e) Show the name of the owners with more than 1 pet and less than 2 children

if Pets > 1 and Children < 2 (Owners)

Doesn't exist

3)

a) Show the Apartment number, Owner and Common Space of the reservations with date 2020-01-01 and called New Year Reservations

if date = "2020-01-01" (Reservations)

Doesn't exist

b) Show the owner of the Reservations after 2024-01-02 date, and the common space is pool or the Apartment Number is 104 or the Apartment number is 102

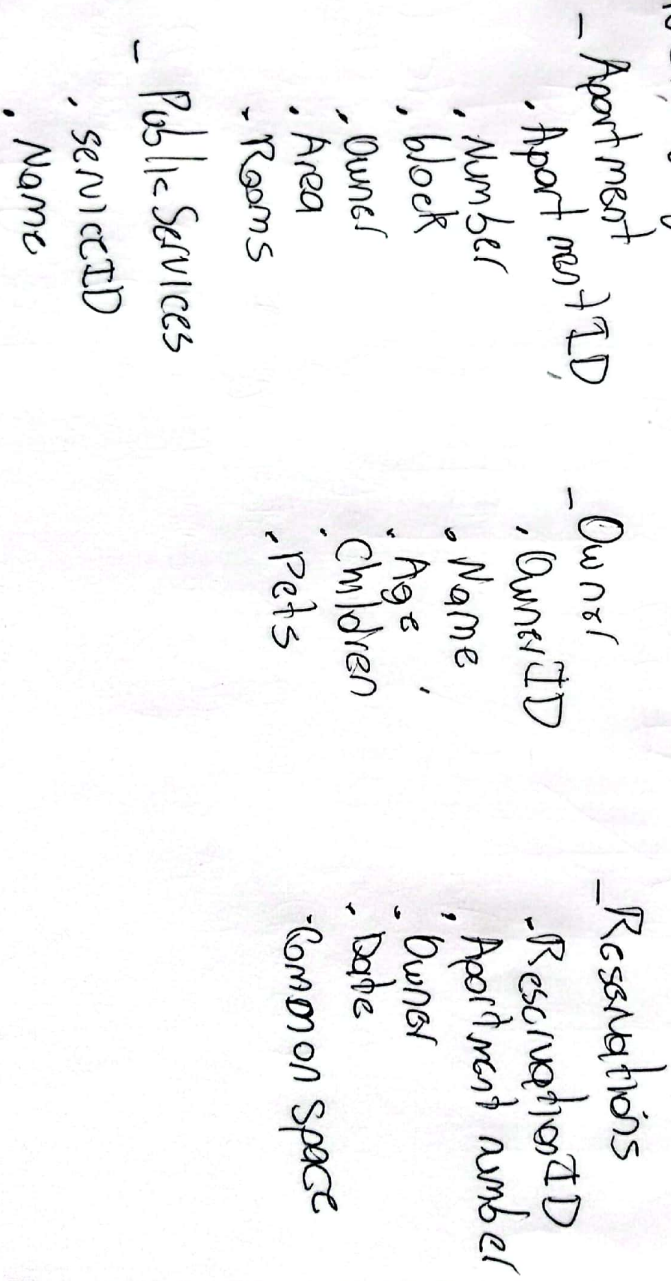
if (date > "2024-01-02") or (common space = "Pool") or Apartment number = 104 or Apartment number = 102 (Reservations)

Owner
Alexander Baker

c) Show the Reservations ID and Common Space of the reservations
 M Reservations ID, Common Space (Reservations)

Reservations ID	Common Space
1	Soccer field
2	pool
3	gym
4	pool
5	Soccer field
6	gym
7	pool
8	gym
9	Soccer field
10	pool

4) DER diagram:



Relations

