MILESTONE 3 – SQL SCRIPTING

1. Create Database

```
create database ipa1n;
use ipa1n;
```

2. Create Tables without Index, PKs, and FKs ;

a. Define which entities will be your PK and Fks and make them "Unique" during to DDL statement.

b. If you have any "Constrains" go ahead create in this stage.

```
CREATE TABLE `deals` (
`deals_id` int NOT NULL,
`agents_id` int,
`property_id` int,
`owners_id` int,
`buyer_id` int,
`realtors_id` int,
`escrow_id` int,
`lender_id` int,
`attorney_id` int
);
alter table `deals` ADD constraint `PK_deals_id` PRIMARY KEY(`deals_id`);
```

```
CREATE TABLE `property` (
`property_id` int NOT NULL,
`legal_opinion` varchar(255),
`property_address` varchar(255)
);
alter table `property` ADD constraint `PK_property_id` PRIMARY KEY(`property_id`);
```

```
CREATE TABLE `attorney` (
`attorney_id` int NOT NULL,
`attorney_name` varchar(255),
`attorney_phno` long,
`attorney_address` varchar(255),
`state_id` long
);
alter table `attorney` ADD constraint `PK_attorney_id` PRIMARY KEY(`attorney_id`);
```

```sql
CREATE TABLE `lender` (
 `lender_id` int,
 `lender_name` varchar(255),
 `lender_phno` long,
 `lender_address` varchar(255),
 `state_id` long,
 `bank_acc` varchar(255)
);
alter table `lender` ADD constraint `PK_lender_id` PRIMARY KEY(`lender_id`);
```

```sql
CREATE TABLE `escrow` (
 `escrow_id` int,
 `escrow_name` varchar(255),
 `escrow_phno` long,
 `escrow_address` varchar(255),
 `state_id` long,
 `notary_id` long
);
alter table `escrow` ADD constraint `PK_escrow_id` PRIMARY KEY(`escrow_id`);
```

```sql
CREATE TABLE `realtors` (
 `realtors_id` int,
 `realtors_name` varchar(255),
 `realtors_phno` long,
 `realtors_address` varchar(255),
 `state_id` long,
 `notary_id` long,
 `commission_acc` varchar(255)
);
alter table `realtors` ADD constraint `PK_realtors_id` PRIMARY KEY(`realtors_id`);
```

```sql
CREATE TABLE `agents` (
 `agents_id` int,
 `agents_name` varchar(255),
 `agents_phno` long,
 `agents_address` varchar(255),
 `state_id` long
);
alter table `agents` ADD constraint `PK_agents_id` PRIMARY KEY(`agents_id`);
```

```sql
CREATE TABLE `owners` (
 `owners_id` int,
 `owners_name` varchar(255),
 `owners_phno` long,
 `owners_address` varchar(255),
 `state_id` long,
);
alter table `agents` ADD constraint `PK_agents_id` PRIMARY KEY(`agents_id`);
```

```sql
CREATE TABLE `Prop_owners` (
 `property_id` int,
 `owners_id` int,
);
alter table `prop_owners`
Add constraint `fk_po_prop_id` foreign key(`property_id`) references
`property`(`property_id`);
alter table `prop_owners`
Add constraint `fk_po_own_id` foreign key(`owners_id`) references
`owners`(`owners_id`);
alter table `prop_owners` ADD constraint `PK_propowner_id` PRIMARY
KEY(`property_id`);
```

```sql
CREATE TABLE `buyer` (
 `buyer_id` int,
 `buyer_name` varchar(255),
 `buyer_phno` long,
 `buyer_address` varchar(255),
 `buyer_type` varchar(255),
 `state_id` long
);
alter table `buyer` ADD constraint `PK_fha_buyer_id` PRIMARY KEY(`buyer_id`);
```

```sql
CREATE TABLE `fha_buyers` (
 `buyer_id` int PRIMARY KEY,
 `insurance_ID` varchar(255),
 `insurance_fee` int
);
alter table `fha_buyers`
Add constraint `fk_buyer_id` foreign key(`buyer_id`) references
`buyer`(`buyer_id`);
```

```sql
CREATE TABLE `va_buyers` (
 `buyer_id` int PRIMARY KEY,
 `military_ID` int UNIQUE,
 `years_of_service` int
);
alter table `va_buyers`
Add constraint `fk_va_buyer_id` foreign key(`buyer_id`) references
`buyer`(`buyer_id`);
```

```sql
CREATE TABLE `commercial_buyers` (
 `buyer_id` int PRIMARY KEY,
 `ssn` long,
 `tax_id` varchar(255),
 `owner_names` varchar(255) );
alter table `commercial_buyers`
Add constraint `fk_cm_buyer_id` foreign key(`buyer_id`) references
`buyer`(`buyer_id`);
```

```sql
ALTER TABLE `deals` ADD FOREIGN KEY (`agents_id`) REFERENCES `agents`
(`agents_id`);

ALTER TABLE `deals` ADD FOREIGN KEY (`property_id`) REFERENCES `property`
(`property_id`);

ALTER TABLE `deals` ADD FOREIGN KEY (`owners_id`) REFERENCES `owners`
(`owners_id`);

ALTER TABLE `deals` ADD FOREIGN KEY (`buyer_id`) REFERENCES `buyer` (`buyer_id`);

ALTER TABLE `deals` ADD FOREIGN KEY (`realtors_id`) REFERENCES `realtors`
(`realtors_id`);

ALTER TABLE `deals` ADD FOREIGN KEY (`escrow_id`) REFERENCES `escrow`
(`escrow_id`);

ALTER TABLE `deals` ADD FOREIGN KEY (`lender_id`) REFERENCES `lender`
(`lender_id`);

ALTER TABLE `deals` ADD FOREIGN KEY (`attorney_id`) REFERENCES `attorney`
(`attorney_id`);
```
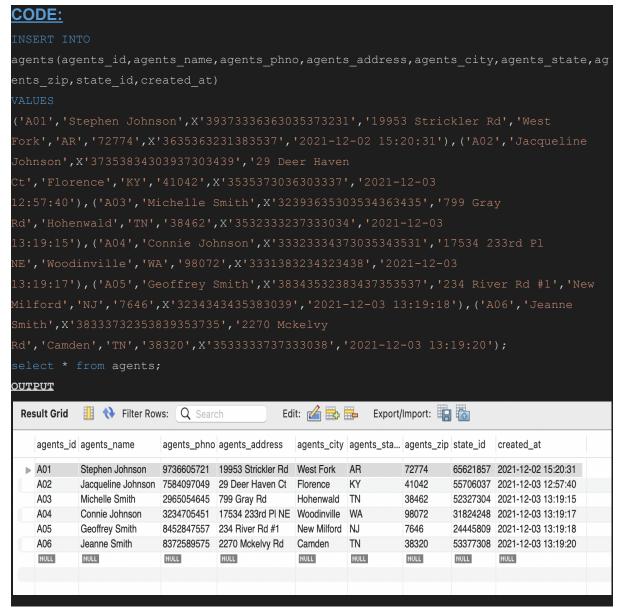
3. Testing all your tables before the load any data

All Tables are successfully Created.

4. Inserting data in each table (making sure referential integrity is in place)

AGENTS TABLE :

```sql
INSERT INTO
agents(agents_id,agents_name,agents_phno,agents_address,agents_city,agents_state,agents_zip,state_id,created_at)
VALUES
('A01','Stephen Johnson',X'39373336363035373231','19953 Strickler Rd','West Fork','AR','72774',X'3635363231383537','2021-12-02 15:20:31'),('A02','Jacqueline Johnson',X'37353834303937303439','29 Deer Haven Ct','Florence','KY','41042',X'3535373036303337','2021-12-03 12:57:40'),('A03','Michelle Smith',X'32393635303534363435','799 Gray Rd','Hohenwald','TN','38462',X'3532333237333034','2021-12-03 13:19:15'),('A04','Connie Johnson',X'33323334373035343531','17534 233rd Pl NE','Woodinville','WA','98072',X'3331383234323438','2021-12-03 13:19:17'),('A05','Geoffrey Smith',X'38343532383437353537','234 River Rd #1','New Milford','NJ','7646',X'3234343435383039','2021-12-03 13:19:18'),('A06','Jeanne Smith',X'38333732353839353735','2270 Mckelvy Rd','Camden','TN','38320',X'3533333737333038','2021-12-03 13:19:20');
select * from agents;
```

OUTPUT

agents_id	agents_name	agents_phno	agents_address	agents_city	agents_sta...	agents_zip	state_id	created_at
A01	Stephen Johnson	9736605721	19953 Strickler Rd	West Fork	AR	72774	65621857	2021-12-02 15:20:31
A02	Jacqueline Johnson	7584097049	29 Deer Haven Ct	Florence	KY	41042	55706037	2021-12-03 12:57:40
A03	Michelle Smith	2965054645	799 Gray Rd	Hohenwald	TN	38462	52327304	2021-12-03 13:19:15
A04	Connie Johnson	3234705451	17534 233rd Pl NE	Woodinville	WA	98072	31824248	2021-12-03 13:19:17
A05	Geoffrey Smith	8452847557	234 River Rd #1	New Milford	NJ	7646	24445809	2021-12-03 13:19:18
A06	Jeanne Smith	8372589575	2270 Mckelvy Rd	Camden	TN	38320	53377308	2021-12-03 13:19:20
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

 ATTORNEY TABLE :

```sql
INSERT INTO
attorney(attorney_id,attorney_name,attorney_phno,attorney_address,attorney_city,attorney_state,attorney_zip,state_id,created_at)
```

```
VALUES('Z01','Bob Newhart',X'38373035313336393730','703 S Main St','Bald
Knob','AR','72010',X'3636363238353239','2021-12-03 15:05:33'),('Z02','Sheldon
Cooper ',X'38373035313336393731','940 N Chester
St','Monticello','AR','71655',X'3836323931323538','2021-12-03
15:05:33'),('Z03','Leanord Hofstader',X'38373035313336393732','1663 Byers
St','Batesville','AR','72501',X'3439353631323839','2021-12-03
15:05:33'),('Z04','Penny Lee',X'38373035313336393733','4 Mossy Oak Ln','Heber
Springs','AR','72543',X'3934323638353132','2021-12-03 15:05:33'),('Z05','Shang
Chi',X'38373035313336393734','10401 High Rd
E','Mabelvale','AR','72103',X'3837393337383336','2021-12-03
15:05:33'),('Z06','James Law',X'38373035313336393735','962 County 951
Rd','Brookland','AR','72417',X'3131343331343934','2021-12-03 15:05:33');
select * from attorney;
```

OUTPUT

attorney_id	attorney_name	attorney_phno	attorney_address	attorney_city	attorney_sta...	attorney_z...	state_id	created_at
▶ Z01	Bob Newhart	8705136970	703 S Main St	Bald Knob	AR	72010	66628529	2021-12-03 15:05:33
Z02	Sheldon Cooper	8705136971	940 N Chester St	Monticello	AR	71655	86291258	2021-12-03 15:05:33
Z03	Leanord Hofstader	8705136972	1663 Byers St	Batesville	AR	72501	49561289	2021-12-03 15:05:33
Z04	Penny Lee	8705136973	4 Mossy Oak Ln	Heber Springs	AR	72543	94268512	2021-12-03 15:05:33
Z05	Shang Chi	8705136974	10401 High Rd E	Mabelvale	AR	72103	87937836	2021-12-03 15:05:33
Z06	James Law	8705136975	962 County 951 Rd	Brookland	AR	72417	11431494	2021-12-03 15:05:33
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

ESCROW TABLE:

```sql
INSERT INTO
escrow(escrow_id,escrow_name,escrow_phno,escrow_address,escrow_city,escrow_state,escrow_zip,state_id,notary_id,created_at)
VALUES('E01','Andrew Johnson',X'32313838363433313536','21224 380th Ave','Battle Lake','MN','56515',X'3836363731323936',X'31323536313333336323334','2021-12-03 13:57:45'),('E02','Robert Smith',X'33323032333934303131','27244 Mickelson Dr','Starbuck','MN','56381',X'3638363435353333',X'353438363937333943436','2021-12-03 14:22:55'),('E03','Don Johnson',X'35303738333131313033','1150 June Ct','Windom','MN','56101',X'3839373636363331',X'343132333534393933313237','2021-12-03 14:22:55'),('E04','Danver Johnson',X'35303738323433303835','411 East St N','Claremont','MN','55924',X'3432353232393432',X'393138333343333531343636','2021-12-03 14:22:55'),('E05','Allen Johnson',X'36353134363533333831','20192 345th St','Taylors Falls','MN','55084',X'3937373339323235',X'393737363334343453932','2021-12-03 14:22:55'),('E06','Elizabeth Johnson',X'32313835383438343832','405 Main Ave W','Twin Valley','MN','56584',X'3432333639363537',X'353637313231353334316','2021-12-03 14:22:55');
select * from escrow;
```

OUTPUT

escrow_id	escrow_name	escrow_phno	escrow_address	escrow_city	escrow_state	escrow_zip	state_id	notary_id	created_at
E01	Andrew Johnson	2188643156	21224 380th Ave	Battle Lake	MN	56515	86671296	12561336234	2021-12-03 13:57:45
E02	Robert Smith	3202394011	27244 Mickelson Dr	Starbuck	MN	56381	68645533	54869739446	2021-12-03 14:22:55
E03	Don Johnson	5078311103	1150 June Ct	Windom	MN	56101	89766631	41235493127	2021-12-03 14:22:55
E04	Danver Johnson	5078243085	411 East St N	Claremont	MN	55924	42522942	91834351466	2021-12-03 14:22:55
E05	Allen Johnson	6514653381	20192 345th St	Taylors Falls	MN	55084	97739225	97763444592	2021-12-03 14:22:55
E06	Elizabeth Johnson	2185848482	405 Main Ave W	Twin Valley	MN	56584	42369657	56712153416	2021-12-03 14:22:55
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

LENDER TABLE:

```sql
INSERT INTO
lender(lender_id,lender_name,lender_phno,lender_address,lender_city,lender_state,le
nder_zip,state_id,bank_acc,created_at)
VALUES('L01','Abbi Johnson',X'34363936363931323631','210 W Merriman
Ave','Wynne','AR','72396',X'3138373132353833','97666634547','2021-12-03
14:56:02'),('L02','Deborah Smith',X'34363936363931323632','605 S Spring
St','Fordyce','AR','71742',X'3831343239333234','88213886488','2021-12-03
14:56:02'),('L03','Clay Jenson',X'34363936363931323633','119 W University
C2','Magnolia','AR','71753',X'3136393931393139','67275833228','2021-12-03
14:56:02'),('L04','Max Black',X'34363936363931323634','608 S 25th St','West
Memphis','AR','72301',X'3932353633363736','91117998755','2021-12-03
14:56:02'),('L05','Caroline Channing',X'34363936363931323635','6166 A Green
Ln','Everton','AR','72633',X'3632353131383233','28661252759','2021-12-03
14:56:02'),('L06','Elizibeth White',X'34363936363931323636','703 S Main St','Bald
Knob','AR','72010',X'3238353135333937','99185597829','2021-12-03 14:56:02');
select * from lender;
```
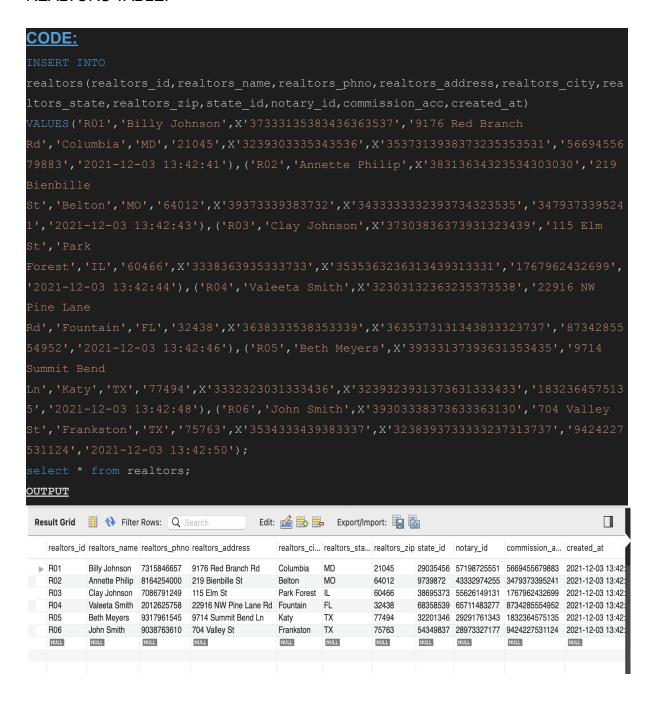
OUTPUT

Result Grid | Filter Rows: Search | Edit: | Export/Import:

lender_id	lender_name	lender_phno	lender_address	lender_city	lender_state	lender_zip	state_id	bank_acc	created_at
L01	Abbi Johnson	4696691261	210 W Merriman Ave	Wynne	AR	72396	18712583	97666634547	2021-12-03 14:56:02
L02	Deborah Smith	4696691262	605 S Spring St	Fordyce	AR	71742	81429324	88213886488	2021-12-03 14:56:02
L03	Clay Jenson	4696691263	119 W University C2	Magnolia	AR	71753	16991919	67275833228	2021-12-03 14:56:02
L04	Max Black	4696691264	608 S 25th St	West Memphis	AR	72301	92563676	91117998755	2021-12-03 14:56:02
L05	Caroline Channing	4696691265	6166 A Green Ln	Everton	AR	72633	62511823	28661252759	2021-12-03 14:56:02
L06	Elizibeth White	4696691266	703 S Main St	Bald Knob	AR	72010	28515397	99185597829	2021-12-03 14:56:02
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

REALTORS TABLE:

realtors_id	realtors_name	realtors_phno	realtors_address	realtors_ci...	realtors_sta...	realtors_zip	state_id	notary_id	commission_a...	created_at
R01	Billy Johnson	7315846657	9176 Red Branch Rd	Columbia	MD	21045	29035456	57198725551	5669455679883	2021-12-03 13:42:
R02	Annette Philip	8164254000	219 Bienbille St	Belton	MO	64012	9739872	43332974255	3479373395241	2021-12-03 13:42:
R03	Clay Johnson	7086791249	115 Elm St	Park Forest	IL	60466	38695373	55626149131	1767962432699	2021-12-03 13:42:
R04	Valeeta Smith	2012625758	22916 NW Pine Lane Rd	Fountain	FL	32438	68358539	65711483277	8734285554952	2021-12-03 13:42:
R05	Beth Meyers	9317961545	9714 Summit Bend Ln	Katy	TX	77494	32201346	29291761343	1832364575135	2021-12-03 13:42:
R06	John Smith	9038763610	704 Valley St	Frankston	TX	75763	54349837	28973327177	9424227531124	2021-12-03 13:42:
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

BUYER TABLE:

```sql
INSERT INTO
buyer(buyer_id,buyer_name,buyer_phno,buyer_address,buyer_city,buyer_state,buyer_zip
,state_id,buyer_type,bank_acc,created_at)
VALUES('B01','Chris Radar',X'38333732353839373731','912 A Red Branch Rd
#M','Columbia','MD','21045',X'3135313939353533','FHA
Buyer',X'33343739333733333935323432','2021-12-03 15:34:37'),('B02','James
Connie',X'38333732353839373732','232 Bienbille
St','Belton','MO','64012',X'3234343138313733','VA
Buyer',X'31373637393632343333363939','2021-12-03 15:34:37'),('B03','John
Richardson',X'38333732353839373733','120 Elm St','Park
Forest','IL','60466',X'3137333731343236','CA
Buyer',X'38373334323835353535383532','2021-12-03 15:34:37'),('B04','Lesly
Shore',X'38333732353839373734','22916 N Pine Lane
Rd','Fountain','FL','32438',X'3831343838313438','VA
Buyer',X'39343234323237353331313235','2021-12-03 15:34:37'),('B05','Williams
Kimberly',X'38333732353839373735','9720 Summit Bend
Ln','Katy','TX','77494',X'3133363437323331','CA
Buyer',X'35363639343636363739383833','2021-12-03 15:34:37'),('B06','Katie
Piscatino',X'38333732353839373736','734 Valley
St','Frankston','TX','75763',X'3434383336353132','FHA
Buyer',X'31373637393632343332363030','2021-12-03 15:34:37');
select * from buyer;
```

OUTPUT

buyer_id	buyer_name	buyer_phno	buyer_address	buyer_city	buyer_state	buyer_zip	state_id	buyer_type	bank_acc	created_at
B01	Chris Radar	8372589771	912 A Red Branch Rd #M	Columbia	MD	21045	15199553	FHA Buyer	3479373395242	2021-12-03 15:34:37
B02	James Connie	8372589772	232 Bienbille St	Belton	MO	64012	24418173	VA Buyer	1767962433699	2021-12-03 15:34:37
B03	John Richardson	8372589773	120 Elm St	Park Forest	IL	60466	17371426	CA Buyer	8734285555852	2021-12-03 15:34:37
B04	Lesly Shore	8372589774	22916 N Pine Lane Rd	Fountain	FL	32438	81488148	VA Buyer	9424227531125	2021-12-03 15:34:37
B05	Williams Kimberly	8372589775	9720 Summit Bend Ln	Katy	TX	77494	13647231	CA Buyer	5669466679883	2021-12-03 15:34:37
B06	Katie Piscatino	8372589776	734 Valley St	Frankston	TX	75763	44836512	FHA Buyer	1767962432600	2021-12-03 15:34:37
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
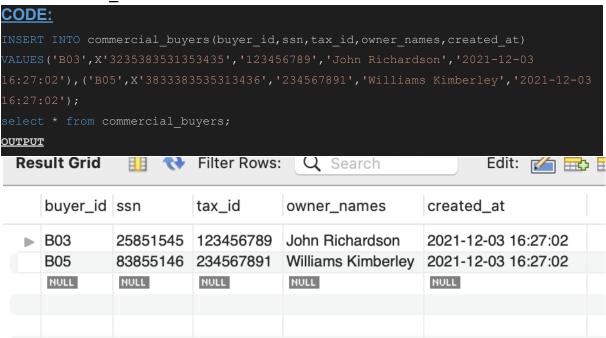
FHA_BUYERS TABLE:

```
INSERT INTO fha_buyers(buyer_id,insurance_ID,insurance_fee,created_at)
VALUES('B01','6392315864',20,'2021-12-03
15:41:29'),('B06','2937833341',30,'2021-12-03 15:41:29');
select * from fha_buyers;
OUTPUT
```

buyer_id	insurance_ID	insurance_fee	created_at
B01	6392315864	20	2021-12-03 15:41:29
B06	2937833341	30	2021-12-03 15:41:29
NULL	NULL	NULL	NULL

VA_BUYERS TABLE :

```
INSERT INTO va_buyers(buyer_id,military_ID,years_of_service,created_at)
VALUES('B02',98712345,12,'2021-12-03 15:44:27'),('B04',12237896,8,'2021-12-03
15:44:27');
select * from va_buyers;
OUTPUT
```

buyer_id	military_ID	years_of_service	created_at
B02	98712345	12	2021-12-03 15:44:27
B04	12237896	8	2021-12-03 15:44:27
NULL	NULL	NULL	NULL

COMMERCIAL_BUYERS TABLE:

CODE:

```
INSERT INTO commercial_buyers(buyer_id,ssn,tax_id,owner_names,created_at)
VALUES('B03',X'3235383531353435','123456789','John Richardson','2021-12-03
16:27:02'),('B05',X'3833383535313436','234567891','Williams Kimberley','2021-12-03
16:27:02');
select * from commercial_buyers;
```

OUTPUT

buyer_id	ssn	tax_id	owner_names	created_at
B03	25851545	123456789	John Richardson	2021-12-03 16:27:02
B05	83855146	234567891	Williams Kimberley	2021-12-03 16:27:02
NULL	NULL	NULL	NULL	NULL

OWNERS TABLE:

CODE:

```
INSERT INTO
owners(owners_id,owners_name,owners_phno,owners_address,owners_city,owners_state,ow
ners_zip,state_id,bank_acc,created_at)
VALUES('O01','Kristen Smith',X'38333732353839363735','19953 Strickler Rd','East
Fork','AR','72774',X'3331373638323139',X'383433337313433373735','2021-12-03
16:42:33'),('O02','Willson Cassandra',X'38333732353839363736','30 Deer Haven
Ct','Florence','KY','41042',X'3738333534313635',X'393632363731373733631','2021-12-
03 16:42:33'),('O03','Dodd Rebecca',X'38333732353839363737','759 Gray
Rd','Hohenwald','TN','38462',X'3536313934373936',X'34363139393138383131431','2021-12
-03 16:42:33'),('O04','Chris Bank',X'38333732353839363738','17534 233rd Pl
E','Woodinville','WA','98072',X'3731393438373337',X'36363833334363431343734','2021-1
2-03 16:42:33');
select * from owners;
```

OUTPUT

owners_id	owners_name	owners_phno	owners_address	owners_city	owners_state	owners_zip	state_id	bank_acc	created_at
O01	Kristen Smith	8372589675	19953 Strickler Rd	East Fork	AR	72774	31768219	84337143775	2021-12-03 16:42:33
O02	Willson Cassandra	8372589676	30 Deer Haven Ct	Florence	KY	41042	78354165	96267177361	2021-12-03 16:42:33
O03	Dodd Rebecca	8372589677	759 Gray Rd	Hohenwald	TN	38462	56194796	46199188141	2021-12-03 16:42:33
O04	Chris Bank	8372589678	17534 233rd Pl E	Woodinville	WA	98072	71948737	66834641474	2021-12-03 16:42:33
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

PROPERTY TABLE:

```sql
INSERT INTO
property(property_id,property_address,property_city,property_state,property_zip,leg
al_opinion,created_at)
VALUES('P01','210 E Merriman Ave','Wynne','AR','72396','Valid','2021-12-03
16:31:57'),('P02','605 N Spring St','Fordyce','AR','71742','No','2021-12-03
16:31:57'),('P03','119 NW University
C2','Magnolia','AR','71753','Valid','2021-12-03 16:31:57'),('P04','608 N 25th
St','West Memphis','AR','72301','Valid','2021-12-03 16:31:57'),('P05','6186 A Green
Ln','Everton','AR','72633','Valid','2021-12-03 16:31:57'),('P06','703 SE Main
St','Bald Knob','AR','72010','No','2021-12-03 16:31:57');
select * from property;
```

OUTPUT

Result Grid | Filter Rows: Search | Edit: | Export/Import:

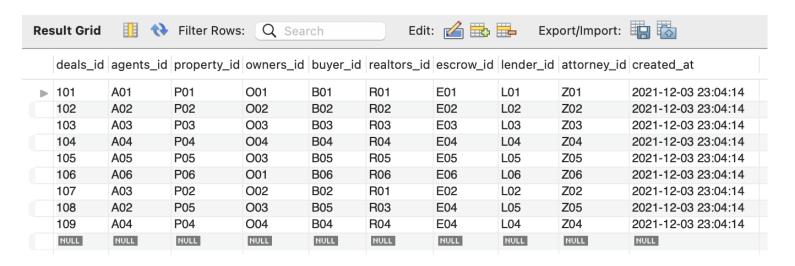| property_id	property_address	property_city	property_sta...	property_z...	legal_opinion	created_at
P01	210 E Merriman Ave	Wynne	AR	72396	Valid	2021-12-03 16:31:57
P02	605 N Spring St	Fordyce	AR	71742	No	2021-12-03 16:31:57
P03	119 NW University C2	Magnolia	AR	71753	Valid	2021-12-03 16:31:57
P04	608 N 25th St	West Memphis	AR	72301	Valid	2021-12-03 16:31:57
P05	6186 A Green Ln	Everton	AR	72633	Valid	2021-12-03 16:31:57
P06	703 SE Main St	Bald Knob	AR	72010	No	2021-12-03 16:31:57
NULL	NULL	NULL	NULL	NULL	NULL	NULL

PROP_OWNERS TABLE:

```sql
INSERT INTO prop_owners(property_id,owners_id,created_at)
VALUES('P01','O01','2021-12-03 16:44:30'),('P02','O02','2021-12-03
16:44:30'),('P03','O03','2021-12-03 16:44:30'),('P04','O04','2021-12-03
16:44:30'),('P05','O03','2021-12-03 16:44:30'),('P06','O01','2021-12-03 16:44:30');
select * from prop_owners;
```

OUTPUT

Result Grid — Filter Rows: Search

property_id	owners_id	created_at
P01	O01	2021-12-03 16:44:30
P02	O02	2021-12-03 16:44:30
P03	O03	2021-12-03 16:44:30
P04	O04	2021-12-03 16:44:30
P05	O03	2021-12-03 16:44:30
P06	O01	2021-12-03 16:44:30
NULL	NULL	NULL

DEALS TABLE:

CODE:

```
INSERT INTO
deals(deals_id,agents_id,property_id,owners_id,buyer_id,realtors_id,escrow_id,lender_id,attorney_id,created_at)
VALUES(101,'A01','P01','O01','B01','R01','E01','L01','Z01','2021-12-03
23:04:14'),(102,'A02','P02','O02','B02','R02','E02','L02','Z02','2021-12-03
23:04:14'),(103,'A03','P03','O03','B03','R03','E03','L03','Z03','2021-12-03
23:04:14'),(104,'A04','P04','O04','B04','R04','E04','L04','Z04','2021-12-03
23:04:14'),(105,'A05','P05','O03','B05','R05','E05','L05','Z05','2021-12-03
23:04:14'),(106,'A06','P06','O01','B06','R06','E06','L06','Z06','2021-12-03
23:04:14'),(107,'A03','P02','O02','B02','R01','E02','L02','Z02','2021-12-03
23:04:14'),(108,'A02','P05','O03','B05','R03','E04','L05','Z05','2021-12-03
23:04:14'),(109,'A04','P04','O04','B04','R04','E04','L04','Z04','2021-12-03
23:04:14');
select * from deals;
OUTPUT
```

Result Grid — Filter Rows: Search   Edit: Export/Import:

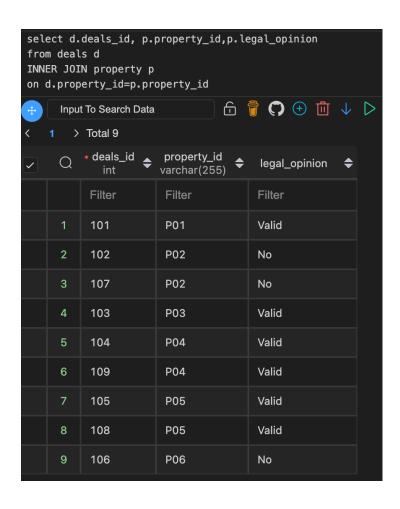| deals_id	agents_id	property_id	owners_id	buyer_id	realtors_id	escrow_id	lender_id	attorney_id	created_at
101	A01	P01	O01	B01	R01	E01	L01	Z01	2021-12-03 23:04:14
102	A02	P02	O02	B02	R02	E02	L02	Z02	2021-12-03 23:04:14
103	A03	P03	O03	B03	R03	E03	L03	Z03	2021-12-03 23:04:14
104	A04	P04	O04	B04	R04	E04	L04	Z04	2021-12-03 23:04:14
105	A05	P05	O03	B05	R05	E05	L05	Z05	2021-12-03 23:04:14
106	A06	P06	O01	B06	R06	E06	L06	Z06	2021-12-03 23:04:14
107	A03	P02	O02	B02	R01	E02	L02	Z02	2021-12-03 23:04:14
108	A02	P05	O03	B05	R03	E04	L05	Z05	2021-12-03 23:04:14
109	A04	P04	O04	B04	R04	E04	L04	Z04	2021-12-03 23:04:14
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

5. Chosing at least 2 tables from my project and:

a.Shown Table records while insertions.

b. Create inner joins between two tables :

So writing a query to perform inner join between deals and property to see which legal opinion of properties which are up on deals;
code;
select d.deals_id, p.property_id,p.legal_opinion
from deals d
INNER JOIN property p
on d.property_id=p.property_id;

```
select d.deals_id, p.property_id,p.legal_opinion
from deals d
INNER JOIN property p
on d.property_id=p.property_id
```

Input To Search Data

< 1 > Total 9

		* deals_id int	property_id varchar(255)	legal_opinion
		Filter	Filter	Filter
	1	101	P01	Valid
	2	102	P02	No
	3	107	P02	No
	4	103	P03	Valid
	5	104	P04	Valid
	6	109	P04	Valid
	7	105	P05	Valid
	8	108	P05	Valid
	9	106	P06	No

c. Create full joins between two tables:

    So I performed a full join between owners and prop_owners table to find out who names of owners with their respective properties.
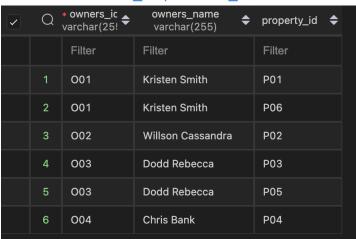-Did a left outer join union right outer join instead of full join as we weren't able to run full join in mysql
code:
 SELECT o.owners_id, o.owners_name,p.property_id
FROM owners o
FULL JOIN prop_owners p
on o.owners_id=p.owners_id;

- The alternate query is :
SELECT o.owners_id, o.owners_name,p.property_id
FROM owners o
left OUTER JOIN prop_owners p
on o.owners_id=p.owners_id
UNION
SELECT o.owners_id, o.owners_name,p.property_id
FROM owners o
right OUTER JOIN prop_owners p
on o.owners_id=p.owners_id;

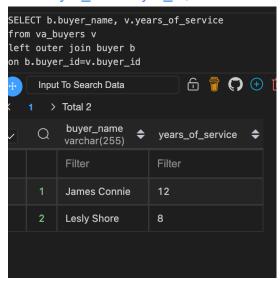|		owners_ic varchar(25!	owners_name varchar(255)	property_id
		Filter	Filter	Filter
	1	O01	Kristen Smith	P01
	2	O01	Kristen Smith	P06
	3	O02	Willson Cassandra	P02
	4	O03	Dodd Rebecca	P03
	5	O03	Dodd Rebecca	P05
	6	O04	Chris Bank	P04

d. Create left outer joins between two tables:

So I performed left outer join on two tables buyers and va_buyers to get buyer's no of years in service

Code:

```
SELECT b.buyer_name, v.years_of_service
from va_buyers v
left outer join buyer b
on b.buyer_id=v.buyer_id;
```

```
SELECT b.buyer_name, v.years_of_service
from va_buyers v
left outer join buyer b
on b.buyer_id=v.buyer_id
```

Input To Search Data

< 1 > Total 2

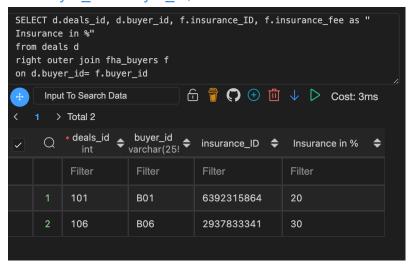|		buyer_name varchar(255)	years_of_service
		Filter	Filter
1		James Connie	12
2		Lesly Shore	8

e. Create right outer joins between two tables:

So I performed right outer join between deals and fha_buyers to get any deals with first time buyers and their insurance details

Code:

```
SELECT d.deals_id, d.buyer_id, f.insurance_ID, f.insurance_fee as " Insurance in %"
from deals d
right outer join fha_buyers f
on d.buyer_id= f.buyer_id;
```

```
SELECT d.deals_id, d.buyer_id, f.insurance_ID, f.insurance_fee as "
Insurance in %"
from deals d
right outer join fha_buyers f
on d.buyer_id= f.buyer_id
```

Input To Search Data   Cost: 3ms

< 1 > Total 2

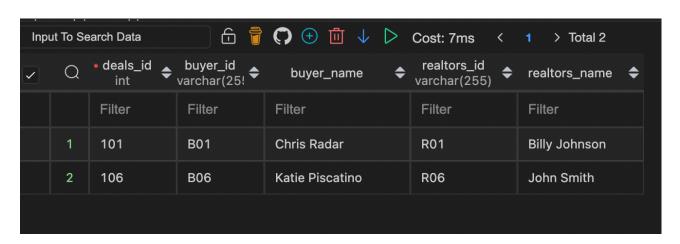|		* deals_id int	buyer_id varchar(25!	insurance_ID	Insurance in %
		Filter	Filter	Filter	Filter
1		101	B01	6392315864	20
2		106	B06	2937833341	30

f. Create intersect between two tables:

As we weren't able to write and run a query with intersect, we know that intersect takes out common values from the provided tables, so we can use "IN" for this purpose

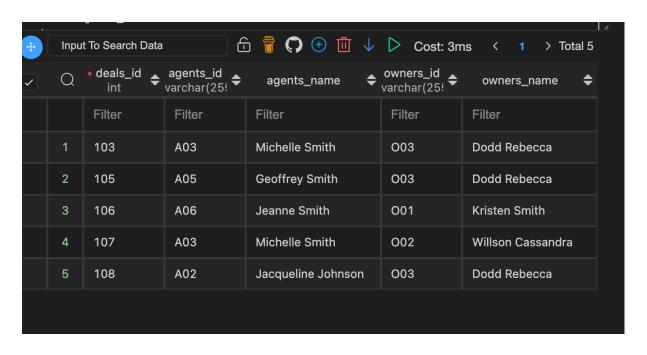- Writing a query to get realtor,buyer details for buyers who are also first time buyers

Code:

```sql
SELECT d.deals_id,d.buyer_id,b.buyer_name, d.realtors_id, r.realtors_name
from
deals d
inner join realtors r
on d.realtors_id=r.realtors_id
inner join buyer b on d.buyer_id=b.buyer_id
where d.buyer_id
IN(
SELECT d.buyer_id
from
deals d
INNER join fha_buyers b
on d.buyer_id=b.buyer_id)
ORDER BY d.deals_id;
```

		deals_id int	buyer_id varchar(25!	buyer_name	realtors_id varchar(255)	realtors_name
✓	🔍	Filter	Filter	Filter	Filter	Filter
	1	101	B01	Chris Radar	R01	Billy Johnson
	2	106	B06	Katie Piscatino	R06	John Smith

Input To Search Data   Cost: 7ms   <   1   >   Total 2

g. Create union between two tables

Created a result table of UNION using customer and transaction tables . So it gives all the rows which are used in both the select statements not only the identical ones

Code:

```
select d.deals_id,a.agents_id,a.agents_name,o.owners_id,o.owners_name
from deals d
inner join agents a
on d.agents_id=a.agents_id
join owners o on d.owners_id=o.owners_id
where a.agents_state='TN'
union
select d.deals_id,a.agents_id,a.agents_name,o.owners_id,o.owners_name
from deals d
inner join owners o
on d.owners_id=o.owners_id
join agents a
on d.agents_id=a.agents_id
where  o.owners_state='TN'
ORDER BY deals_id,agents_id,owners_id;
```

	deals_id int	agents_id varchar(25!	agents_name	owners_id varchar(25!	owners_name
	Filter	Filter	Filter	Filter	Filter
1	103	A03	Michelle Smith	O03	Dodd Rebecca
2	105	A05	Geoffrey Smith	O03	Dodd Rebecca
3	106	A06	Jeanne Smith	O01	Kristen Smith
4	107	A03	Michelle Smith	O02	Willson Cassandra
5	108	A02	Jacqueline Johnson	O03	Dodd Rebecca

Input To Search Data   Cost: 3ms   < 1 > Total 5

h. Create except between two tables
   So I used NOT IN to perform except operation and my query follows:
   - Writing a query to get owner,buyer details for buyers who are not first time buyers

SELECT d.deals_id,d.owners_id ,o.owners_name,b.buyer_name
from
deals d
inner join owners o
on d.owners_id=o.owners_id
inner join buyer b on d.buyer_id=b.buyer_id
where d.buyer_id
NOT IN(
SELECT d.buyer_id
from
deals d
INNER join fha_buyers b
on d.buyer_id=b.buyer_id)
ORDER BY d.deals_id;

Input To Search Data   Cost: 10ms

< 1 > Total 7

		* deals_id int	owners_id varchar(25!	owners_name	buyer_name
		Filter	Filter	Filter	Filter
	1	102	O02	Willson Cassandra	James Connie
	2	103	O03	Dodd Rebecca	John Richardson
	3	104	O04	Chris Bank	Lesly Shore
	4	105	O03	Dodd Rebecca	Williams Kimberly
	5	107	O02	Willson Cassandra	James Connie
	6	108	O03	Dodd Rebecca	Williams Kimberly
	7	109	O04	Chris Bank	Lesly Shore