

Data cleaning in MS SQL Server

In this project, we will be using MS SQL Server to do some Data Cleaning from an excel file that contains fictitious information about owners in Nashville area (Tennessee, US).

The database contains one table (NashvilleHousingData). Let's understand it first to be able to modify it later!

Skills used (SQL):

Convert, Joins, Substring, Charindex, Parsename, Replace, Case Statements, Remove Duplicates, Drop column.

--We start by exploring the data:

```
Select *  
From FerranDatabase.dbo.NashvilleHousing
```

UniquelD	ParcelID	LandUse	PropertyAddress	SaleDate	SalePrice	LegalReference	SoldAsVacant	OwnerName	OwnerAddress
30303	172 06 0A 065.00	SINGLE FAMILY	5225 WHISPERING VALLEY DR, NASHVILLE	2015-05-05 00:00:00.000	380000	20150507-0041757	No	NULL	NULL
46211	172 06 0A 070.00	SINGLE FAMILY	5421 INCLINE DR, NASHVILLE	2016-04-29 00:00:00.000	400000	20160503-0043327	No	NULL	NULL
30304	172 06 0A 077.00	SINGLE FAMILY	5412 INCLINE DR, NASHVILLE	2015-05-13 00:00:00.000	350000	20150519-0046031	No	NULL	NULL
471	172 06 0A 083.00	SINGLE FAMILY	5409 INCLINE DR, NASHVILLE	2013-02-22 00:00:00.000	364900	20130301-0020442	No	NULL	NULL
13917	172 06 0A 088.00	SINGLE FAMILY	5204 WHISPERING VALLEY DR, NASHVILLE	2014-04-17 00:00:00.000	371888	20140421-0032654	No	NULL	NULL
47892	172 08 0 006.00	SINGLE FAMILY	5915 KINSDALE DR, NASHVILLE	2016-05-27 00:00:00.000	208000	20160606-0056474	No	BRIGHT, JAMES ALAN & BETTY	5915 KINSDALE I
47893	172 08 0 007.00	SINGLE FAMILY	5919 KINSDALE DR, NASHVILLE	2016-05-16 00:00:00.000	339900	20160519-0050436	No	DYTZEL, ERIC & PAULA	5919 KINSDALE I
10318	172 08 0 008.00	SINGLE FAMILY	5921 KINSDALE DR, NASHVILLE	2013-12-20 00:00:00.000	150000	20131231-0131219	No	REYNOLDS, BENJAMIN DAVID & ROBIN	5921 KINSDALE I
49719	172 08 0 009.00	SINGLE FAMILY	414 KINHAWK DR, NASHVILLE	2016-06-20 00:00:00.000	225000	20160622-0063817	No	LEAKE, CHAD & ANTHONY, RACHEL	414 KINHAWK DF
932	172 08 0 012.00	SINGLE FAMILY	6018 HAWKDALE DR, NASHVILLE	2013-03-04 00:00:00.000	164500	20130315-0025883	No	HOWLETT, JONATHAN D.	6018 HAWKDALE
2643	172 08 0 013.00	SINGLE FAMILY	6016 HAWKDALE DR, NASHVILLE	2013-05-14 00:00:00.000	131000	20130517-0050076	No	HURLEY, RICHARD S.	6016 HAWKDALE
52601	172 08 0 024.00	SINGLE FAMILY	401 KINHAWK DR, NASHVILLE	2016-08-11 00:00:00.000	248000	20160815-0084859	No	CAMPBELL, THOMAS & DENA	401 KINHAWK DF
52602	172 08 0 027.00	SINGLE FAMILY	5904 KINSDALE DR, NASHVILLE	2016-08-10 00:00:00.000	219900	20160815-0084838	No	BIAGI, DAVID P. & JULIA A.	5904 KINSDALE I
17701	172 08 0 031.00	SINGLE FAMILY	5912 KINSDALE DR, NASHVILLE	2014-07-22 00:00:00.000	145100	20140725-0066215	No	POST, M. T. & S. S.	5912 KINSDALE I
49720	172 08 0 036.00	SINGLE FAMILY	404 KINHAWK DR, NASHVILLE	2016-06-01 00:00:00.000	225000	20160607-0057212	No	WORKS, JOSHUA R. & KAITLYN R.	404 KINHAWK DF
3887	172 08 0 042.00	SINGLE FAMILY	5901 KINSDALE DR, NASHVILLE	2013-06-19 00:00:00.000	115000	20130628-0066406	No	EXPERT CONTRACTOR INC.	5901 KINSDALE I

Query executed successfully. DESKTOP-J871ETT (15.0 RTM) DESKTOP-J871ETT\Ferran... master 00:00:02 56,477 rows

100 %

Results Messages

	IdAs/Vacant	OwnerName	OwnerAddress	Acreage	TaxDistrict	LandValue	BuildingValue	TotalValue	YearBuilt	Bedrooms	FullBath	HalfBath
1		FRAZIER, CYRENTHA LYNETTE	1808 FOX CHASE DR, GOODLETTSVILLE, TN	2.3	GENERAL SERVICES DISTRICT	50000	168200	235700	1986	3	3	0
2		BONER, CHARLES & LESLIE	1832 FOX CHASE DR, GOODLETTSVILLE, TN	3.5	GENERAL SERVICES DISTRICT	50000	264100	319000	1998	3	3	2
3		WILSON, JAMES E. & JOANNE	1864 FOX CHASE DR, GOODLETTSVILLE, TN	2.9	GENERAL SERVICES DISTRICT	50000	216200	298000	1987	4	3	0
4		BAKER, JAY K. & SUSAN E.	1853 FOX CHASE DR, GOODLETTSVILLE, TN	2.6	GENERAL SERVICES DISTRICT	50000	147300	197300	1985	3	3	0
5		POST, CHRISTOPHER M. & SAMANTHA C.	1829 FOX CHASE DR, GOODLETTSVILLE, TN	2	GENERAL SERVICES DISTRICT	50000	152300	202300	1984	4	3	0
6		FIELDS, KAREN L. & BRENT A.	1821 FOX CHASE DR, GOODLETTSVILLE, TN	2	GENERAL SERVICES DISTRICT	50000	190400	259800	1980	3	3	0
7		HINTON, MICHAEL R. & CYNTHIA M. MOORE	2005 SADIE LN, GOODLETTSVILLE, TN	1.03	GENERAL SERVICES DISTRICT	40000	137900	177900	1976	3	2	0
8		BAILOR, DARRELL & TAMMY	1917 GRACELAND DR, GOODLETTSVILLE, TN	1.03	GENERAL SERVICES DISTRICT	40000	157900	197900	1978	3	2	0
9		ROBERTS, MISTY L. & ROBERT M.	1428 SPRINGFIELD HWY, GOODLETTSVILLE, TN	1.67	GENERAL SERVICES DISTRICT	45400	176900	222300	2000	3	2	1
10		LEE, JEFFREY & NANCY	1420 SPRINGFIELD HWY, GOODLETTSVILLE, TN	1.3	GENERAL SERVICES DISTRICT	40000	179600	219600	1995	5	3	0
11		NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
12		NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
13		NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
14		URRUTIA, CARLOS MIGUEL & REBECCA	629 GAYLEMORE DR, GOODLETTSVILLE, TN	1.07	GENERAL SERVICES DISTRICT	40000	203600	243600	2006	4	4	0
15		SALDANA, ALMA J. & EDWARD A., II	633 GAYLEMORE DR, GOODLETTSVILLE, TN	1.03	GENERAL SERVICES DISTRICT	40000	115400	155400	1974	4	2	0
16		MCKINNEY, ROBERT K. & REYTH F.	637 GAY FMORE DR, GOODLETTSVILLE, TN	1.03	GENERAL SERVICES DISTRICT	40000	180300	234000	1974	3	3	0

Query executed successfully. | DESKTOP-J871ETT (15.0 RTM) | DESKTOP-J871ETT\Ferrrr... | FerranDatabase | 00:00:02 | 56,477 rows

--Standarizing Date Format

```
Select SaleDateConverted, CONVERT(Date,SaleDate)
FROM FerranDatabase.dbo.NashvilleHousing
```

```
Update FerranDatabase.dbo.NashvilleHousing
SET SaleDate = CONVERT(Date,SaleDate)
```

```
ALTER TABLE FerranDatabase.dbo.NashvilleHousing
Add SaleDateConverted Date;
```

```
Update FerranDatabase.dbo.NashvilleHousing
SET SaleDateConverted = CONVERT(Date,SaleDate)
```

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Results		Messages
	SaleDateConverted	(No column name)
1	2015-05-05	2015-05-05
2	2016-04-29	2016-04-29
3	2015-05-13	2015-05-13
4	2013-02-22	2013-02-22
5	2014-04-17	2014-04-17
6	2016-05-27	2016-05-27
7	2016-05-16	2016-05-16
8	2013-12-20	2013-12-20
9	2016-06-20	2016-06-20
10	2013-03-04	2013-03-04
11	2013-05-14	2013-05-14
12	2016-08-11	2016-08-11
13	2016-08-10	2016-08-10
14	2014-07-22	2014-07-22
15	2016-06-01	2016-06-01
16	2013-06-19	2013-06-19
17	2014-03-04	2014-03-04

Query executed successfully.

--Populating the Property Address data

```

Select *
From FerranDatabase.dbo.NashvilleHousing
--Where PropertyAddress is null
Order by ParcelID

Select a.ParcelID, a.PropertyAddress, b.ParcelID, b.PropertyAddress,
ISNULL(a.PropertyAddress,b.PropertyAddress)

From FerranDatabase.dbo.NashvilleHousing a
JOIN FerranDatabase.dbo.NashvilleHousing b
    on a.ParcelID = b.ParcelID
    AND a.[UniqueID ] <> b.[UniqueID ]
Where a.PropertyAddress is null

Update a
SET PropertyAddress = ISNULL(a.PropertyAddress,b.PropertyAddress)
From FerranDatabase.dbo.NashvilleHousing a
JOIN FerranDatabase.dbo.NashvilleHousing b
    on a.ParcelID = b.ParcelID
    AND a.[UniqueID ] <> b.[UniqueID ]
Where a.PropertyAddress is null

```

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Results Messages

	UniqueID	ParcelID	LandUse	PropertyAddress	SaleDate	SalePrice	LegalReference	SoldAsVacant	OwnerName	OwnerID
1	2045	007 00 0 125.00	SINGLE FAMILY	1808 FOX CHASE DR, GOODLETTSVILLE	2013-04-09 00:00:00.000	240000	20130412-0036474	No	FRAZIER, CYRENTHA LYNETTE	1808
2	16918	007 00 0 130.00	SINGLE FAMILY	1832 FOX CHASE DR, GOODLETTSVILLE	2014-06-10 00:00:00.000	366000	20140619-0053768	No	BONER, CHARLES & LESLIE	1832
3	54582	007 00 0 138.00	SINGLE FAMILY	1864 FOX CHASE DR, GOODLETTSVILLE	2016-09-26 00:00:00.000	435000	20160927-0101718	No	WILSON, JAMES E. & JOANNE	1864
4	43070	007 00 0 143.00	SINGLE FAMILY	1853 FOX CHASE DR, GOODLETTSVILLE	2016-01-29 00:00:00.000	255000	20160129-0008913	No	BAKER, JAY K. & SUSAN E.	1853
5	22714	007 00 0 149.00	SINGLE FAMILY	1829 FOX CHASE DR, GOODLETTSVILLE	2014-10-10 00:00:00.000	278000	20141015-0095255	No	POST, CHRISTOPHER M. & SAMANTHA C.	1829
6	18367	007 00 0 151.00	SINGLE FAMILY	1821 FOX CHASE DR, GOODLETTSVILLE	2014-07-16 00:00:00.000	267000	20140718-0063802	No	FIELDS, KAREN L. & BRENT A.	1821
7	19804	007 14 0 002.00	SINGLE FAMILY	2005 SADIE LN, GOODLETTSVILLE	2014-08-28 00:00:00.000	171000	20140903-0080214	No	HINTON, MICHAEL R. & CYNTHIA M. MOORE	2005
8	54583	007 14 0 024.00	SINGLE FAMILY	1917 GRACELAND DR, GOODLETTSVILLE	2016-09-27 00:00:00.000	262000	20161005-0105441	No	BAILOR, DARRELL & TAMMY	1917
9	36500	007 14 0 026.00	SINGLE FAMILY	1428 SPRINGFIELD HWY, GOODLETTSVILLE	2015-08-14 00:00:00.000	285000	20150819-0083440	No	ROBERTS, MISTY L. & ROBERT M.	1428
10	19805	007 14 0 034.00	SINGLE FAMILY	1420 SPRINGFIELD HWY, GOODLETTSVILLE	2014-08-29 00:00:00.000	340000	20140909-0082348	No	LEE, JEFFREY & NANCY	1420
11	29467	007 14 0A 024.00	SINGLE FAMILY	2209 KAYLA DR, GOODLETTSVILLE	2015-04-14 00:00:00.000	425000	20150415-0033442	No	NULL	NULL
12	10754	007 14 0A 027.00	SINGLE FAMILY	109 BAILEY VIEW CT, GOODLETTSVILLE	2013-12-12 00:00:00.000	585000	20131227-0130352	No	NULL	NULL
13	34751	007 14 0B 010.00	RESIDENTIAL CONDO	1900 TINNIN RD, GOODLETTSVILLE	2015-07-13 00:00:00.000	190000	20150717-0069947	No	NULL	NULL
14	4512	007 15 0 002.00	SINGLE FAMILY	629 GAYLEMORE DR, GOODLETTSVILLE	2013-06-07 00:00:00.000	189900	20130612-0059715	No	URRUTIA, CARLOS MIGUEL & REBECCA	629
15	16919	007 15 0 003.00	SINGLE FAMILY	633 GAYLEMORE DR, GOODLETTSVILLE	2014-06-30 00:00:00.000	157500	20140702-0058050	No	SALDANA, ALMA J. & EDWARD A. II	633
16	16920	007 15 0 004.00	SINGLE FAMILY	637 GAYLEMORE DR, GOODLETTSVILLE	2014-06-30 00:00:00.000	247400	20140630-0057267	No	MCKINNEY, ROBERT K. & RUTH E.	637

Query executed successfully. DESKTOP-J871ETT (15.0 RTM) DESKTOP-J871ETT\Ferrrr... master 00:00:02 56,477 rows

-- Breaking out Address into Individual Columns (Address, City, State)

```
Select PropertyAddress
From FerranDatabase.dbo.NashvilleHousing
```

```
SELECT
SUBSTRING(PropertyAddress, 1, CHARINDEX(',', PropertyAddress) - 1 ) as
Address
, SUBSTRING(PropertyAddress, CHARINDEX(',', PropertyAddress) + 1 ,
LEN(PropertyAddress)) as Address
```

```
From FerranDatabase.dbo.NashvilleHousing
```

```
ALTER TABLE NashvilleHousing
Add PropertySplitAddress Nvarchar(255);
```

```
Update NashvilleHousing
SET PropertySplitAddress = SUBSTRING(PropertyAddress, 1, CHARINDEX(',',
PropertyAddress) - 1 )
```

```
ALTER TABLE NashvilleHousing
Add PropertySplitCity Nvarchar(255);
```

```
Update NashvilleHousing
SET PropertySplitCity = SUBSTRING(PropertyAddress, CHARINDEX(',',
PropertyAddress) + 1 , LEN(PropertyAddress))
```

```
Select *  
From FerranDatabase.dbo.NashvilleHousing
```

```
Select OwnerAddress  
From FerranDatabase.dbo.NashvilleHousing
```

```
Select  
PARSENAME(REPLACE(OwnerAddress, ',', '.'), 3)  
, PARSENAME(REPLACE(OwnerAddress, ',', '.'), 2)  
, PARSENAME(REPLACE(OwnerAddress, ',', '.'), 1)  
From FerranDatabase.dbo.NashvilleHousing
```

```
ALTER TABLE NashvilleHousing  
Add OwnerSplitAddress Nvarchar(255);
```

```
Update NashvilleHousing  
SET OwnerSplitAddress = PARSENAME(REPLACE(OwnerAddress, ',', '.'), 3)
```

```
ALTER TABLE NashvilleHousing  
Add OwnerSplitCity Nvarchar(255);
```

```
Update NashvilleHousing  
SET OwnerSplitCity = PARSENAME(REPLACE(OwnerAddress, ',', '.'), 2)
```

```
ALTER TABLE NashvilleHousing  
Add OwnerSplitState Nvarchar(255);
```

```
Update NashvilleHousing  
SET OwnerSplitState = PARSENAME(REPLACE(OwnerAddress, ',', '.'), 1)
```

```
Select *  
From FerranDatabase.dbo.NashvilleHousing
```

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Results Messages

creage	TaxDistrict	LandValue	BuildingValue	TotalValue	YearBuilt	Bedrooms	FullBath	HalfBath	SaleDateConverted	PropertySplitAddress	PropertySplitCity	OwnerSplitAddress	OwnerSplitCity	OwnerSplitState	
25	.09	URBAN ...	6000	33300	39300	1985	2	1	1	2014-05-22	2505 W HEIMAN ST	NASHVILLE	2505 W HEIMAN...	NASHVILLE	TN
26	.17	URBAN ...	13000	65500	80100	1940	4	2	0	2014-05-05	2409 A W HEIMAN ST	NASHVILLE	2409 A W HEIMA...	NASHVILLE	TN
27	.17	URBAN ...	13000	46400	59400	1935	2	1	0	2014-05-15	2403 W HEIMAN ST	NASHVILLE	2403 W HEIMAN...	NASHVILLE	TN
28	.17	URBAN ...	13000	102800	115800	1930	4	4	0	2014-10-22	2412 SCOVEL ST	NASHVILLE	2412 SCOVEL ST	NASHVILLE	TN
29	.17	URBAN ...	13000	31600	44600	2000	3	2	0	2013-06-20	2403 BURCH ST	NASHVILLE	2403 BURCH ST	NASHVILLE	TN
30	.15	URBAN ...	13000	38200	51200	1950	2	1	0	2014-08-29	1517 24TH AVE N	NASHVILLE	1517 24TH AVE N	NASHVILLE	TN
31	.16	URBAN ...	13000	54200	67200	1950	3	1	0	2014-06-20	2400 HAMMOND DR	NASHVILLE	2400 HAMMON...	NASHVILLE	TN
32	.23	URBAN ...	13000	45200	58500	1950	3	1	0	2014-10-06	1610 24TH AVE N	NASHVILLE	1610 24TH AVE N	NASHVILLE	TN
33	.23	URBAN ...	13000	35900	49200	1948	2	1	0	2016-04-11	1606 24TH AVE N	NASHVILLE	1606 24TH AVE N	NASHVILLE	TN
34	.28	URBAN ...	13000	45500	58800	1930	4	1	0	2013-10-15	1531 23RD AVE N	NASHVILLE	1531 23RD AVE N	NASHVILLE	TN
35	.17	URBAN ...	13000	48100	61100	1956	3	1	1	2015-03-05	2403 HAMMOND DR	NASHVILLE	2403 HAMMON...	NASHVILLE	TN
36	.17	URBAN ...	13000	48100	61100	1956	3	1	1	2015-03-05	2403 HAMMOND DR	NASHVILLE	2403 HAMMON...	NASHVILLE	TN
37	.11	URBAN ...	13000	34300	47300	1959	2	1	0	2015-07-10	2404 UNDERWOOD ST	NASHVILLE	2404 UNDERW...	NASHVILLE	TN
38	.15	URBAN ...	13000	27600	40600	1956	2	1	0	2015-04-08	2401 HAMMOND DR	NASHVILLE	2401 HAMMON...	NASHVILLE	TN
39	.15	URBAN ...	13000	27600	40600	1956	2	1	0	2016-06-21	2401 HAMMOND DR	NASHVILLE	2401 HAMMON...	NASHVILLE	TN
40	.12	URBAN ...	13000	33700	46700	1956	2	1	0	2013-08-19	1504 24TH AVE N	NASHVILLE	1504 24TH AVE N	NASHVILLE	TN

Query executed successfully.

DESKTOP-J871ETT (15.0 RTM) DESKTOP-J871ETT\Ferrrr... master 00:00:02 56,477 rows

-- Change Y and N to Yes and No in "Sold as Vacant" field

```
Select Distinct(SoldAsVacant), Count(SoldAsVacant)
From FerranDatabase.dbo.NashvilleHousing
Group by SoldAsVacant
```

Order by 2

```
Select SoldAsVacant,  
CASE When SoldAsVacant = 'Y' THEN 'Yes'  
      When SoldAsVacant = 'N' THEN 'No'  
      ELSE SoldAsVacant  
      END  
From FerranDatabase.dbo.NashvilleHousing
```

```
Update FerranDatabase.dbo.NashvilleHousing  
SET SoldAsVacant =  
CASE When SoldAsVacant = 'Y' THEN 'Yes'  
      When SoldAsVacant = 'N' THEN 'No'  
      ELSE SoldAsVacant  
      END  
From FerranDatabase.dbo.NashvilleHousing
```

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Results		
	SoldAsVacant	(No column name)
1	Yes	4675
2	No	51802

	SoldAsVacant	(No column name)
1	No	No
2	No	No
3	No	No
4	No	No
5	No	No
6	No	No
7	No	No
8	No	No
9	No	No
10	No	No
11	No	No

✓ Query executed successfully.

-- Remove Duplicates

```
WITH RowNumCTE AS(
Select *,
      ROW_NUMBER() OVER (
        PARTITION BY ParcelID,
                    PropertyAddress,
                    SalePrice,
                    SaleDate,
                    LegalReference
        ORDER BY
                    UniqueID
        ) row_num
From FerranDatabase.dbo.NashvilleHousing
)
Select *
From RowNumCTE
Where row_num > 1
```

--Delete Unused Columns

```
Select *
From FerranDatabase.dbo.NashvilleHousing
```

```
ALTER TABLE FerranDatabase.dbo.NashvilleHousing
DROP COLUMN OwnerAddress, TaxDistrict, PropertyAddress
```

```
ALTER TABLE FerranDatabase.dbo.NashvilleHousing
DROP COLUMN SaleDate
```

100 %															
Results Messages															
	UniqueID	ParcelID	LandUse	SalePrice	LegalReference	SoldAsVacant	OwnerName	Acreage	LandValue	BuildingValue	TotalValue	YearBuilt	Bedrooms	FullBath	HalfBath
1	30303	172 06 0A 065.00	SINGLE FAMILY	380000	20150507-0041757	No	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2	46211	172 06 0A 070.00	SINGLE FAMILY	400000	20160503-0043327	No	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3	30304	172 06 0A 077.00	SINGLE FAMILY	350000	20150519-0046031	No	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
4	471	172 06 0A 083.00	SINGLE FAMILY	364900	20130301-0020442	No	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
5	13917	172 06 0A 088.00	SINGLE FAMILY	371888	20140421-0032654	No	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
6	47892	172 08 0 006.00	SINGLE FAMILY	208000	20160606-0056474	No	BRIGHT, JAMES ALAN & BETTY	0.58	30000	116000	146000	1968	3	1	1
7	47893	172 08 0 007.00	SINGLE FAMILY	339900	20160519-0050436	No	DYTZEL, ERIC & PAULA	0.59	30000	208000	238000	2003	3	2	0
8	10318	172 08 0 008.00	SINGLE FAMILY	150000	20131231-0131219	No	REYNOLDS, BENJAMIN DAVID & ROBIN	0.48	30000	118400	148400	1972	2	1	1
9	49719	172 08 0 009.00	SINGLE FAMILY	225000	20160622-0063817	No	LEAKE, CHAD & ANTHONY, RACHEL	0.59	30000	117000	147000	1968	3	1	1
10	932	172 08 0 012.00	SINGLE FAMILY	164500	20130315-0025883	No	HOWLETT, JONATHAN D.	0.63	30000	130200	160200	1968	3	1	0
11	2643	172 08 0 013.00	SINGLE FAMILY	131000	20130517-0050076	No	HURLEY, RICHARD S.	0.54	30000	120700	150700	1966	3	1	0
12	52601	172 08 0 024.00	SINGLE FAMILY	248000	20160815-0084859	No	CAMPBELL, THOMAS & DENA	0.71	30000	185900	215900	1968	3	1	1
13	52602	172 08 0 027.00	SINGLE FAMILY	219900	20160815-0084838	No	BIAGI, DAVID P. & JULIA A.	0.41	30000	99800	129800	1967	3	1	0
14	17701	172 08 0 031.00	SINGLE FAMILY	145100	20140725-0066215	No	POST, M. T. & S. S.	0.41	30000	90900	120900	1966	3	1	0
15	49720	172 08 0 036.00	SINGLE FAMILY	225000	20160607-0057212	No	WORKS, JOSHUA R. & KAITLYN R.	0.6	30000	141900	173400	1966	3	1	0
16	3887	172 08 0 042.00	SINGLE FAMILY	115000	20130628-0066406	No	EXPERT CONTRACTOR INC.	0.51	40000	88400	128400	1966	3	1	1

Query executed successfully. DESKTOP-J871ETT (15.0 RTM) DESKTOP-J871ETT\Ferran... master 00:00:02 56,477 rows