

---Pulling all the data in the table

```
SELECT *  
FROM dbo.dwelling_structure;
```

---Pulling a table with 7 chosen columns

```
SELECT CENSUS_YEAR, DWELLING_TYPE, DWELLING_CNT, RESIDENT_CNT, OCPD_DWELLING_CNT,  
       VACANT_DWELLING_CNT, OCPD_OWNERSHIP_CNT  
FROM dbo.dwelling_structure;
```

---Pulling all rows for 'Single Family Home'

```
SELECT CENSUS_YEAR, DWELLING_TYPE, DWELLING_CNT, RESIDENT_CNT, OCPD_DWELLING_CNT,  
       VACANT_DWELLING_CNT, OCPD_OWNERSHIP_CNT  
FROM dbo.dwelling_structure  
WHERE DWELLING_TYPE = 'SINGLE FAMILY HOME';
```

---Pulling all rows for 'Apartment'

```
SELECT CENSUS_YEAR, DWELLING_TYPE, DWELLING_CNT, RESIDENT_CNT, OCPD_DWELLING_CNT,  
       VACANT_DWELLING_CNT, OCPD_OWNERSHIP_CNT  
FROM dbo.dwelling_structure  
WHERE DWELLING_TYPE = 'APARTMENT';
```

---Count of the rows for Dwelling Type

```
SELECT COUNT(DWELLING_TYPE)  
FROM dbo.dwelling_structure;
```

---Pulls Data for the Dwelling Type for 2019

```
SELECT * FROM dbo.dwelling_structure  
WHERE DWELLING_TYPE = 'DUPLEX' AND (CENSUS_YEAR='2019');
```

---Sort by Year ascending and dwelling type ascending

```
SELECT * FROM dbo.dwelling_structure  
ORDER BY CENSUS_YEAR ASC, DWELLING_TYPE ASC;
```

---Finding the total dwelling sum in each dwelling type in 2019 year

```
SELECT DWELLING_TYPE, SUM(DWELLING_CNT) AS DwellTypeSum, CENSUS_YEAR  
FROM dbo.dwelling_structure  
WHERE CENSUS_YEAR = 2019  
GROUP BY DWELLING_TYPE, CENSUS_YEAR;
```

---Categorizing the dwelling sizes that are have a small total value as "other" and removing all Null values in Census year, and dwelling counts that equal 0

```
SELECT  
CASE  
    WHEN DWELLING_TYPE IN ('COMMUNAL HOUSING', 'CONVERTED STRUCTURE', 'HOTELS, MOTELS  
        RESIDENCE', 'MANUFACTURED HOME', 'NURSING HOME, AUXILIARY HOSPITAL LODGE',  
        'OTHER - INSTITUTIONS', 'OTHER - RESIDENTIAL', 'RESIDENCE IN COMMERCIAL  
        STRUCTURE' ) THEN 'Other'  
    ELSE DWELLING_TYPE  
END AS ModifiedDwellingType,  
CENSUS_YEAR, DWELLING_CNT, RESIDENT_CNT, OCPD_DWELLING_CNT, VACANT_DWELLING_CNT,  
OCPD_OWNERSHIP_CNT  
FROM
```

```
    dbo.dwelling_structure
DELETE FROM dbo.dwelling_structure
WHERE DWELLING_CNT = 0 and CENSUS_YEAR IS NULL;

---Total dwelling's in calgary each year
SELECT DWELLING_TYPE, CENSUS_YEAR,
       SUM(DWELLING_CNT) AS TotalDwellingCnt
FROM dbo.dwelling_structure
GROUP BY
       DWELLING_TYPE, CENSUS_YEAR
ORDER BY
       CENSUS_YEAR;

-- Display Dwelling Types description that provides lodging
Select dwelling_type, dwelling_type_description
from dbo.dwelling_structure
where dwelling_type_description LIKE '%provides lodging%'

-- Provides the sum of the dwelling count in 2019 for duplex

Select dwelling_type, sum(dwelling_cnt) as 'Sum of Duplex Count'
from dbo.dwelling_structure
where dwelling_type = 'duplex'
group by dwelling_type

-- Display the amount of Dwelling Type where its under construction in 2019
Select census_year, dwelling_type, sum(under_const_dwelling_cnt) as 'Under
Construction'
from dbo.dwelling_structure
where census_year = 2019
group by dwelling_type, census_year

--display the amount of housing under renovations from 2015 to 2019
Select census_year as 'Census Year', sum(renovation_dwelling_cnt) as 'Under
Renovation'
from dbo.dwelling_structure
WHERE census_year BETWEEN 2015 AND 2019
group by census_year
having sum(renovation_dwelling_cnt) !=0
order by Census_year desc

-- Amount of residents living in ward 8 for 2015

Select Ward, sum(resident_cnt)' Amount of Residents Living in Ward 8'
from dbo.dwelling_structure
where ward= 8 AND census_year = 2015
group by ward

-- Dwelling Count by Dwelling Type
select census_year 'Census Year', dwelling_type 'Dwelling Type', sum(dwelling_cnt)
as 'Dwelling Count'
```

---

```
from dbo.dwelling_structure  
group by census_year, dwelling_type  
order by census_year desc
```