SELECT \* FROM housing;

-- 1) fing the highest price off 3 bedrooms

select max(saleprice) from housing where Bedrooms="3";

-- 2)find the numbers of available landuse

select count( distinct landuse) from housing;

-- 3)find the avg landvalue and avgbuildingvalue for all 2 bedrooms

select avg(landvalue),avg(buildingvalue) from housing

where Bedrooms="2";

-- 4)find the number of owners available 4 bedrooms

select count(\*) from housing

where Bedrooms= '4';

-- 4) find top 5 land use single family building valu high

select \* from Housing

where landuse="single family"

order by totalvalue desc limit 5;

-- 5)short all the bath type in descending order of numberof fh bath

select ownername,fullbath+halfbath as FH\_Bath from housing

order by FH\_Bath desc;

-- 6)find the name of oener 2 largest building values

select OwnerName from housing

order by BuildingValue desc limit 1,1;

-- 7) find the owner name oldest building

select OwnerName,YearBuilt from housing

order by YearBuilt asc limit 0,1;

-- 8) short all owner name alphabetically on the besis of seal price descending order

select \* from housing

order by OwnerName asc,SalePrice desc;

-- 9) group housing by ownersname and get count,avrage sealprice,max bedrooms, avg landvalue,avg total values

select OwnerName,count(\*),avg(saleprice),max(bedrooms),avg(LandValue),avg(totalvalue)

from housing

group by ownername;

-- 10) group housing by whether they have parcelid and get avg sealprice and avg building values

select parcelid,avg(saleprice),avg(buildingvalue) from housing

group by ParcelID;

-- 11) group housing by the bedroom and fullbath and get the count of land valu and avg buildingvalue

select bedrooms,fullbath,count(\*),avg(buildingvalue) from housing

group by bedrooms,FullBath;

-- 12) find top 5 high range houses

select OwnerName, avg(saleprice) as avg\_saleprice from housing

group by OwnerName

order by avg\_saleprice desc limit 0,5;

-- 13) witch owner has lowest bedrooms

select OwnerName,avg(bedrooms) as avg\_bedrooms from housing

group by OwnerName

order by avg\_bedrooms asc limit 1;

-- 14) group housing by owners and find the highest bedrooms and that have fullbath and hafbath

select ownername,count(\*) as num\_housing from housing

where FullBath='1,2,3' and HalfBath="0,1,2"

group by OwnerName

order by num\_housing desc;