

SQL Assignment – Part 3

Q1. You are given four datasets pets.csv, owners.csv, proceduredetails.csv, proedurehistory.csv. Upload all of them in your SQL server. Find the primary key in each of the tables and write a query to: (Hint: Use joins)

- a) Extract information on pet names along with their owner names in the same table.
- b) Extract information for those pets whose owners live in either “Grand Rapids” or “Southfield”.
- c) Find the pet’s information which had a procedure performed
- d) Extract information on pet ids along with a description of the procedure performed on them
- e) Same as d but only keep those pet ids which are present in pets.csv
- f) Find the sum of the price incurred on each pet’s procedure.
- g) Same as f but only consider those pet’s whose names start with ‘C’
- h) Same as f but only consider those pet’s whose owner’s name starts with ‘T’
- i) Find the owner names who own more than 1 pet
- j) Find the count of procedures performed on each pet who are Dogs
- k) Find the average price incurred by each owner for their pet’s procedure

Q2. What is the difference between a natural join and a cross join?

Q3. What is the difference between a natural join and inner join?

Q4. Determine the no. of records that we will get when you perform

- a. Inner join
- b. Left join
- c. Full Outer join
- d. Right join

The joining key for the two tables is Column A.

Table 1

A	B
1	B1
1	B2

1	B3
3	B4
3	B5
5	B6
5	B7
5	B8
5	B9

Table 2

A	C
1	C1
1	C2
2	C3
3	C4
3	C5
3	C6
4	C7
4	C8
5	C9