MySQL Exercise 10: Answer Key

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Question 1:
%%sql
SELECT DISTINCT user guid, country
FROM users
WHERE user guid IS NOT NULL AND country IS NOT NULL
GROUP BY user guid, country;
Question 2:
%%sql
SELECT IF(cleaned users.country='US','In US','Outside US') AS US user,
count(cleaned users.user guid)
FROM (SELECT DISTINCT user_guid, country
      FROM users
      WHERE country IS NOT NULL) AS cleaned_users
GROUP BY US_user;
Question 3:
%%sql
SELECT dog_guid, dog_fixed,
  CASE dog fixed
     WHEN "1" THEN "neutered"
     WHEN "0" THEN "not neutered"
  END AS neutered
FROM doas
LIMIT 200;
Question 4:
%%sql
SELECT dog_guid, exclude,
  CASE exclude
     WHEN "1" THEN "exclude"
     ELSE "keep"
  END AS exclude cleaned
FROM dogs
LIMIT 200:
Question 5:
%%sql
SELECT dog_guid, exclude, IF(exclude="1", "exclude", "keep") AS exclude_cleaned
FROM dogs
LIMIT 200;
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Question 6:
%%sql SELECT
dog guid, weight,
  CASE
     WHEN weight<=10 THEN "very small"
     WHEN weight>10 AND weight<=30 THEN "small"
     WHEN weight>30 AND weight<=50 THEN "medium"
     WHEN weight>50 AND weight<=85 THEN "large"
     WHEN weight>85 THEN "very large"
  END AS weight grouped
FROM dogs
LIMIT 200;
Question 7:
4871 unique dog guids in Group 1
Question 8:
3461 unique dog guids in Group 1
Question 9:
46 unique dog guids in Group 1
Question 10:
%%sql
SELECT d.dog_guid AS dogID, d.breed_type AS breed_type, count(c.created_at) AS
numtests.
  IF(d.breed type='Pure Breed', 'pure breed', 'not pure breed') AS pure breed
FROM dogs d, complete tests c
WHERE d.dog guid=c.dog guid
GROUP BY dogID
LIMIT 50:
Question 11:
%%sql
SELECT COUNT(DISTINCT user guid),
      CASE
         WHEN (state="NY" OR state="NJ") THEN "Group 1-NY/NJ"
         WHEN (state="NC" OR state="SC") THEN "Group 2-NC/SC"
         WHEN state="CA" THEN "Group 3-CA"
         ELSE "Group 4-Other"
      END AS state group
FROM users
WHERE country="US" AND state IS NOT NULL
GROUP BY state group;
Question 12:
%%sql
SELECT COUNT(DISTINCT dog guid)
FROM dogs
WHERE dna tested=1 AND (dimension='stargazer' OR dimension='socialite');
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