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Chapter 3 Assignment

1. Structured Query Language

13.DROP TABLE PET\_OWNER;

14. DROP TABLE PET\_OWNER;

15. SELECT PetID, PetName, PetType, PetBreed, PetDOB, OwnerID

FROM PET;

16. SELECT(\*)

FROM PET;

17. SELECT PetName, PetType, PetBreed

FROM PET;

18. SELECT PetName, PetBreed, PetType, PetDOB

FROM PET

WHERE PetType='Dog';

19.SELECT PetBreed

FROM PET;

20.SELECT DISTINCT PetBreed

FROM PET;

21.SELECT PetName, PetBreed, PetType, PetDOB

FROM PET

WHERE PetType='Dog' AND PetBreed='Std. Poodle';

22.SELECT PetName, PetBreed, PetType

FROM PET

WHERE PetType NOT IN ('Dog', 'Cat', 'Fish');

23. This code doesn't work without a trailing asterick(\*).

SELECT PetID, PetName, PetBreed, PetType

FROM PET

WHERE PetName LIKE 'K???';

24.SELECT OwnerLastName, OwnerFirstName, OwnerEmail

FROM PET\_Owner

WHERE OwnerEmail LIKE '\*somewhere.com';

25.SELECT OwnerLastName, OwnerFirstName, OwnerEmail

FROM PET\_Owner

WHERE OwnerPhone IS NULL;

26.SELECT PetName, PetBreed

FROM PET

ORDER BY PetName;

27.SELECT PetName, PetBreed

FROM PET

ORDER BY PetBreed ASC, PetName DESC;

28.SELECT COUNT(\*)

FROM PET;

29.SELECT COUNT(\*) AS Breeds

FROM (SELECT DISTINCT PetBreed

FROM PET);

30.CREATE TABLE PET\_3(

PetID INTEGER PRIMARY KEY,

PetName TEXT(20) NOT NULL,

PetType TEXT(10) NOT NULL,

PetBreed TEXT(20) NOT NULL,

PetDOB TEXT(15),

PetWeight NUMERIC NOT NULL,

OwnerID INTEGER NOT NULL,

CONSTRAINT OwnIDfk FOREIGN KEY(OwnerID) REFERENCES PET\_Owner(OwnerID) );

31.SELECT MIN(PetWeight) AS MINIMUM,

MAX(PetWeight) AS MAX, ROUND(AVG(PetWeight),2) AS AVERAGE

FROM PET\_3;

32.SELECT DISTINCT PetBreed, AVG(PetWeight) AS Weight

FROM PET\_3

GROUP BY PetBreed;

33.SELECT DISTINCT PetBreed, AVG(PetWeight) AS Weight

FROM PET\_3

GROUP BY PetBreed

HAVING COUNT(PetBreed) > 1;

34.SELECT DISTINCT PetBreed, AVG(PetWeight) AS Weight

FROM PET\_3

WHERE PetBreed <> 'Unknown'

GROUP BY PetBreed

HAVING COUNT(PetBreed) > 1;

35.SELECT OwnerLastName, OwnerFirstName, OwnerEmail

From Pet\_Owner

WHERE OwnerID IN (SELECT OwnerID

FROM PET\_3

WHERE PetType = 'Cat');

36.SELECT OwnerLastName, OwnerFirstName, OwnerEmail

From Pet\_Owner

WHERE OwnerID IN (SELECT OwnerID

FROM PET\_3

WHERE PetType = 'Cat' AND

PetName = 'Teddy');

37.(1)CREATE TABLE BREED(

BreedName TEXT(20) PRIMARY KEY,

MinWeight NUMERIC,

MaxWeight NUMERIC,

AverageLifeExpectency NUMERIC);

(2)INSERT INTO BREED VALUES('Border Collie', 15.0, 22.5, 20);

NSERT INTO BREED VALUES('Cashmere', 10.0, 15.0, 12);

INSERT INTO BREED VALUES('Collie Mix', 17.5, 25.0, 18);

INSERT INTO BREED VALUES('Std. Poodle', 22.5, 30.0, 18);

INSERT INTO BREED (BreedName) VALUES('Unknown');

(3)

CONSTRAINT BrNfk FOREIGN KEY(BreedName) REFERENCES PET\_3(PetBreed) );

38.SELECT DISTINCT OwnerLastName, OwnerFirstName, OwnerEmail

From Pet\_Owner INNER JOIN PET\_3 ON Pet\_Owner.OwnerID = Pet\_3.OwnerID

WHERE PetType = 'Cat';

39.SELECT DISTINCT OwnerLastName, OwnerFirstName, OwnerEmail

From Pet\_Owner INNER JOIN PET\_3 ON Pet\_Owner.OwnerID = Pet\_3.OwnerID

WHERE PetType = 'Cat' AND PetName = 'Teddy';

40.

41.

42.

43.

44.UPDATE Pet\_3

SET 'Std. Poodle' = 'Poodle, Std'

WHERE BreedName = 'Std. Poodle';

45.Crash

46.

47.

48.

51.DROP Column PetWeight;