**HEALTH HISTORY**

PET ID PET NAME PET TYPEPET AGEOWNER VISIT DATE PROCEDURE

246 ROVER DOG 12 SAM COOK JAN 13/2002 01 - RABIES VACCINATION

MAR 27/2002 10 - EXAMINE and TREAT WOUND

APR 02/2002 05 - HEART WORM TEST

298 SPOT DOG 2 TERRY KIM JAN 21/2002 08 - TETANUS VACCINATION

MAR 10/2002 05 - HEART WORM TEST

341 MORRIS CAT 4 SAM COOK JAN 23/2001 01 - RABIES VACCINATION

JAN 13/2002 01 - RABIES VACCINATION

519 TWEEDY BIRD 2 TERRY KIM APR 30/2002 20 - ANNUAL CHECK UP

APR 30/2002 12 - EYE WASH

Ans.

**After 1st normal form:**

Pet(Pet\_id,Pet\_name,Pet\_type,Age,Owner)

Procedure(Procedure\_id,Procedure\_desp)

Visit(Visit\_date,owner\_name)

**After 2nd normal form:**

Pet(Pet\_id,Pet\_name,Pet\_type,Age,owner\_id)

Procedure(Procedure\_id,Procedure\_desp)

Visit(Visit\_date,owner\_id)

Owner(owner\_id,owner\_name)

**3rd normal form:**

Same as 2nd normal form

CREATE TABLE PET(

PET\_ID INT NOT NULL,

PET\_NAME VARCHAR(20),

PET\_TYPE VARCHAR(20),

AGE INT,

OWNER\_ID INT,

PRIMARY KEY(PET\_ID);

FOREIGN KEY(OWNER\_ID)

REFERENCES ORDER(OWNER\_ID) );

CREATE TABLE PROCEDURE(

PROCEDURE\_ID INT NOT NULL ,

PROCEDURE\_DESP VARCHAR(30)

PRIMARY KEY(PROCEDURE\_ID));

CREATE TABLE OWNER(

OWNER\_ID INT NOT NULL ,

OWNER\_NAME VARCHAR(20)

PRIMARY KEY(OWNER\_ID);

CREATE TABLE VISIT(

VISIT­\_DATE DATE NOT NULL ,

OWNER\_ID INT,

PRIMARY KEY(VISIT\_DATE);

FOREIGN KEY(OWNER\_ID)

REFERENCES OWNER(OWNER\_ID));