**Name:\_\_Evan Ling \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**CIS/CSC 422 Spring 2017 Computer Assignment #1 Points 10, Due Feb 07**

1. (a) Using the following SQL Code create two tables: STUDENT\_2017 and PET\_2017 in the database provided to you. (Copy and Paste the SQL into the SQL box in phpmyadmin)

**DROP TABLE IF EXISTS `STUDENT\_2017` ; #observe the backquotes**

**CREATE TABLE STUDENT\_2017(**

**Id CHAR( 9 ) ,**

**Name VARCHAR( 32 ) ,**

**Address VARCHAR( 64 ) ,**

**Status VARCHAR( 16 ) ,**

**PRIMARY KEY ( Id )**

**);**

**INSERT INTO STUDENT\_2017 VALUES**

**('111111111', 'John Doe', '123 Main St.', 'Freshman'),**

**('666666666', 'Joseph Public','666 Hollow Rd.','Sophomore'),**

**('111223344', 'Mary Smith', '1 Lake St.', 'Freshman'),**

**('987654321', 'Bart Simpson', 'Fox 5 TV', 'Senior'),**

**('023456789', 'Homer Simpson','Fox 5 TV', 'Senior'),**

**('123454321', 'Joe Blow', '6 Yard Ct.', 'Junior');**

**DROP TABLE IF EXISTS `PET\_2017` ; #observe the backquotes**

**CREATE TABLE PET\_2017(**

**Name VARCHAR( 16 ) ,**

**Owner VARCHAR( 32 ) ,**

**Species VARCHAR( 16 ) ,**

**Gender CHAR( 1 ) ,**

**BirthDate CHAR ( 10 ),**

**DeathDate CHAR ( 10 ),**

**PRIMARY KEY ( Name )**

**);**

**INSERT INTO PET\_2017 VALUES**

**( 'Fluffy' , 'Harold' , 'cat' , 'f' , '1993-02-04' , NULL ),**

**( 'Claws' , 'Gwen' , 'cat' , 'm' , '1994-03-17' , NULL ),**

**( 'Buffy' , 'Harold' , 'dog' , 'f' , '1989-05-13' , NULL ),**

**( 'Fang' , 'Benny' , 'dog' , 'm' , '1990-08-27' , NULL ),**

**( 'Bowser' , 'Diane' , 'dog' , 'm' , '1979-08-31' , '1995-07-29' ),**

**( 'Chirpy' , 'Gwen' , 'bird' , 'f' , '1998-09-11' , NULL ),**

**( 'Whistler' , 'Gwen' , 'bird' , NULL , '1997-12-09' , NULL ),**

**( 'Slim' , 'Benny' , 'snake' , 'm' , '1996-04-29' , NULL ),**

**( 'Puffball' , 'Diane' , 'hamster' , 'f' , '1999-03-30' , NULL );**

(b) Now write an insert statement to add more students to the STUDENT\_2017 table, and execute it in SQL (Copy-Paste into SQL box and click GO)

**('899899890', 'Kad Lakshmanan', '200 Main St.', 'Freshman')**

**('899899891', 'Joan Lucas ', '300 Main St.', 'Sophomore')**

**('899899892', 'Anthony Scime', '110 Main St.', 'Junior')**

**('899899893', 'Christine Wania', '301 Main St.', 'Senior')**

(c) Run each of the following queries and copy-paste the results after it.

**SELECT \* FROM STUDENT WHERE Id = '987654321';**

**id | name | address | status**

**-----------+--------------+----------+--------**

**987654321 | Bart Simpson | Fox 5 TV | Senior**

**SELECT Id, Name FROM STUDENT\_2017 WHERE Status = 'Senior';**

**name**

**-----------------**

**Bart Simpson**

**Homer Simpson**

**Christine Wania**

**(3 rows)**

**SELECT COUNT(\*) FROM STUDENT\_2017 WHERE Status = 'Senior';**

**count**

**-------**

**3**

**(1 row)**

**SELECT Name FROM STUDENT\_2017 WHERE Status = 'Senior' AND Id > '888888888';**

**name**

**-----------------**

**Bart Simpson**

**Christine Wania**

**(2 rows)**

**SELECT Name FROM STUDENT WHERE\_2017 Status IN ('freshman', 'sophomore');**

**name**

**----------------**

**John Doe**

**Joseph Public**

**Mary Smith**

**Kad Lakshmanan**

**Joan Lucas**

**(5 rows)**

(d) Now write an insert statement to add more pets to the PET\_2017 table, and execute it in SQL (Copy-Paste into SQL box and click GO)

**( 'Meow' , 'Harold' , 'cat' , 'f' , '2010-02-04' , NULL ),**

**( 'Whiskers' , 'Gwen' , 'cat' , 'm' , '2011-03-17' , NULL ),**

**( 'RuffRuff' , 'Harold' , 'dog' , 'f' , '2012-05-13' , NULL ),**

**( 'Koochie' , 'Benny' , 'dog' , 'm' , '2011-08-27' , NULL ),**

(e) Run each of the following queries and copy-paste the result after it.

**SELECT \* FROM PET\_2017 WHERE BirthDate >= '1998-01-01';**

**name | owner | species | gender | birthdate | deathdate**

**----------+--------+---------+--------+------------+-----------**

**Chirpy | Gwen | bird | f | 1998-09-11 |**

**Puffball | Diane | hamster | f | 1999-03-30 |**

**Meow | Harold | cat | f | 2010-02-04 |**

**Whiskers | Gwen | cat | m | 2011-03-17 |**

**RuffRuff | Harold | dog | f | 2012-05-13 |**

**Koochie | Benny | dog | m | 2011-08-27 |**

**SELECT \* FROM PET\_2017 WHERE Species = 'snake' OR Species = 'bird';**

**name | owner | species | gender | birthdate | deathdate**

**----------+-------+---------+--------+------------+-----------**

**Chirpy | Gwen | bird | f | 1998-09-11 |**

**Whistler | Gwen | bird | | 1997-12-09 |**

**Slim | Benny | snake | m | 1996-04-29 |**

**(3 rows)**

**SELECT \* FROM PET\_2017 WHERE (Species = 'cat' AND Gender = 'm')**

**OR (Species = 'dog' AND Gender = 'f');**

**name | owner | species | gender | birthdate | deathdate**

**----------+--------+---------+--------+------------+-----------**

**Claws | Gwen | cat | m | 1994-03-17 |**

**Buffy | Harold | dog | f | 1989-05-13 |**

**Whiskers | Gwen | cat | m | 2011-03-17 |**

**RuffRuff | Harold | dog | f | 2012-05-13 |**

**(4 rows)**

**SELECT Name, BirthDate FROM PET\_2017 ORDER BY BirthDate;**

**name | birthdate**

**----------+------------**

**Bowser | 1979-08-31**

**Buffy | 1989-05-13**

**Fang | 1990-08-27**

**Fluffy | 1993-02-04**

**Claws | 1994-03-17**

**Slim | 1996-04-29**

**Whistler | 1997-12-09**

**Chirpy | 1998-09-11**

**Puffball | 1999-03-30**

**Meow | 2010-02-04**

**Whiskers | 2011-03-17**

**Koochie | 2011-08-27**

**RuffRuff | 2012-05-13**

**(13 rows)**

**SELECT name, BirthDate FROM PET\_2017 ORDER BY BirthDate DESC;**

**name | birthdate**

**----------+------------**

**RuffRuff | 2012-05-13**

**Koochie | 2011-08-27**

**Whiskers | 2011-03-17**

**Meow | 2010-02-04**

**Puffball | 1999-03-30**

**Chirpy | 1998-09-11**

**Whistler | 1997-12-09**

**Slim | 1996-04-29**

**Claws | 1994-03-17**

**Fluffy | 1993-02-04**

**Fang | 1990-08-27**

**Buffy | 1989-05-13**

**Bowser | 1979-08-31**

**(13 rows)**