

Tutorial 05 – MySQL

Answer all the questions.

1. Create a new database called “**menagerie**” and use the database.
2. Following is a new table called “pet” and create this table with all the constraints.

Field	Type	Null	Key	Default	Extra
name	varchar(20)	YES		NULL	
owner	varchar(20)	YES		NULL	
species	varchar(20)	YES		NULL	
sex	char(1)	YES		NULL	
birth	date	YES		NULL	
death	date	YES		NULL	

Figure 1: Structure of the pet table

3. Enter all the following details to the above pet table.

name	owner	species	sex	birth	death
Fluffy	Harold	cat	f	1993-02-04	
Claws	Gwen	cat	m	1994-03-17	
Buffy	Harold	dog	f	1989-05-13	
Fang	Benny	dog	m	1990-08-27	
Bowser	Diane	dog	m	1979-08-31	1995-07-29
Chirpy	Gwen	bird	f	1998-09-11	
Whistler	Gwen	bird		1997-12-09	
Slim	Benny	snake	m	1996-04-29	

4. Retrieve all the details of the pet table.
5. Update pet bowser's birthdate to '1989-08-31'.
6. Then display all the details of that pet bowser.
7. Select all the details of the animals who were born during or after 1998.
8. Filter all the details of female dogs.
9. List down the details of all the snakes and birds.

10. Select all the details of male cats and female dogs.
11. Display name of the pet and their birthdate.
12. List down who owns these pets.
13. List down all the unique owners who owns these pets.
14. What are the names, species and birthdates of all the dogs and cats?
15. Display animal birthdays, sorted by date.
16. Display name and the birthdate of all the animals sort in reverse order by date.
17. Who is the youngest animal in the above pet table?
18. Select name, birthdate and the month of the birthdate from the above table.
19. Select name and the birthdate of the pets who born in May month.
20. List all the details of the pets whose names
 - a) Beginning with b.
 - b) Ending with fy.
 - c) Containing a w
 - d) Containing exactly five characters
21. How many pets are there in the above pet table?
22. Find out how many pets each owner has.
23. Group all the details to display number of animals per species.
24. Group all the details to display number of animals per sex.
25. Group all the details to display number of animals per combination of species and sex.
26. Group all the details to display number of cats and dogs per combination of species and sex.
