Web Application Engineering
Lab # 08

Objectives

Get basic understanding to the implementational aspects of

- MySQL database Management using phpMyAdmin

Lab Activities

MySQL

1. Create a database birds
2. Create a table pets as
   a. Pet_id INT PRIMARY_KEY AUTO_INCREMENT
   b. Name: VARCHAR(20)
   c. Owner: VARCHAR(20)
   d. Species: VARCHAR(20)
   e. Sex: CHAR(1)
   f. Birth: DATE
   g. Date: DATE
3. Insert the following data

name	owner	species	sex	birth	death
Fluffy	Harold	cat	f	1999-02-04	NULL
Claws	Gwen	cat	f	1994-03-17	NULL
Buffy	Harold	dog	f	1989-05-13	NULL
Fang	Benny	dog	m	1999-08-27	NULL
Bowser	Diane	dog	m	1998-08-31	1995-07-29

4. Select the pets with name Browser
5. Find the Date of Birth of all the snakes or birds
6. View animal birthdays, sorted by date
7. Find names containing a ‘w’:
8. Find names containing exactly five characters, use the _ pattern character:
9. Determine total number of pets
10. Find the eldest cat. (calculate the age using the data of birth and order by age with limit 1)
11. Add another table feed with following attributes

F_id	Primary key + auto increment.
F_name	Must be unique
F_type	(solid or liquid) default liquid.
Pet_id	Foreign_key mapped with pets.Pet_id
Created_at	defaut: timestamp

12. Add a foreign key constraint in feed table with pet_id of pets table.
13. Retrieve all the feeds that are appropriate to ‘dog’.

14. Retrieve all the liquid feed names which are appropriate for male dogs.
15. Retrieve the solid feed names which are inserted today.
16. Drops the pets table.