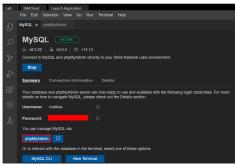


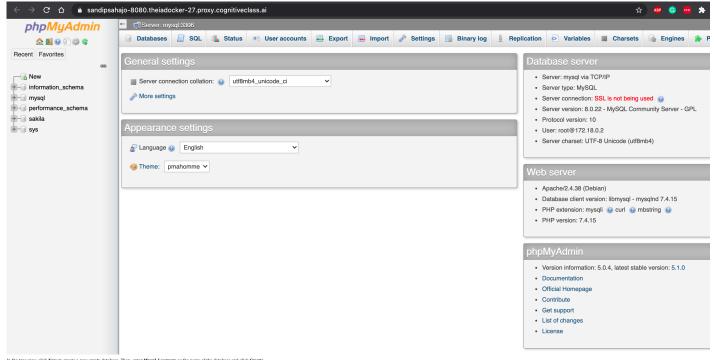
Once MySQL has started, click the phpMyAdmin button to open phpMyAdmin in the same window.

Summary Connection Information Details



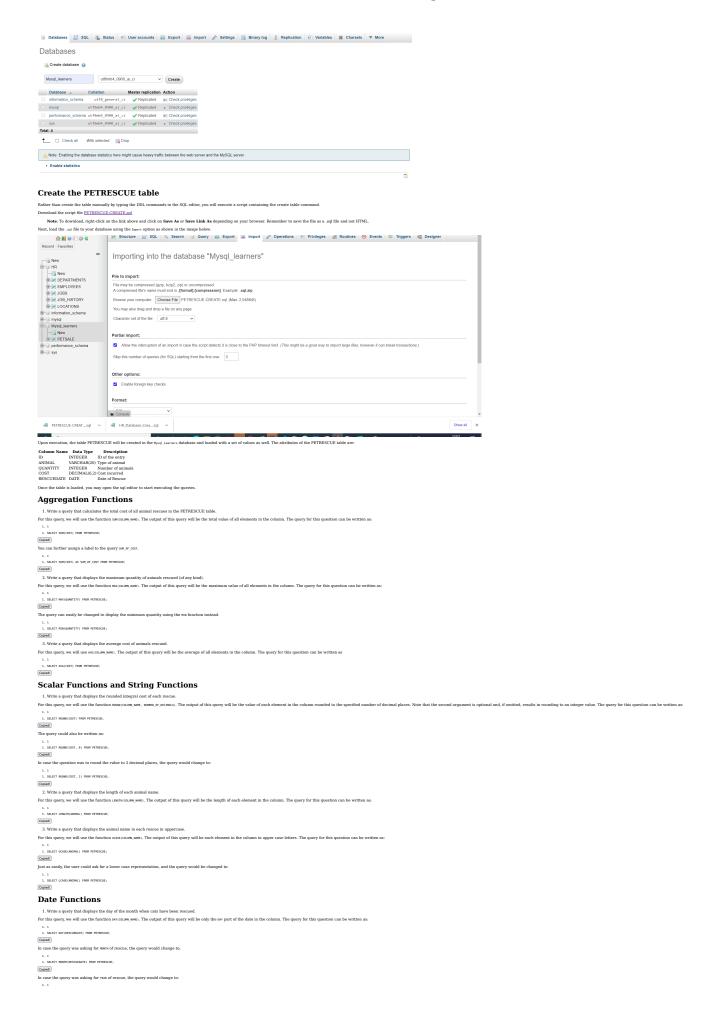
ou will see the phpMyAdmin GUI tool.

> BIG DATA



In the tree view, click New to create a new empty database. Then, enter Mysql Learners as the name of the database and click Create. The encoding will be left as utf8mbl 0900 al\_cl. UTF-8 is the most commonly used character encoding for content or data.

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```
2. Animals rescued should see the vet within three days of arrival. Write a query that displays the third day of each rescue.
For this query, we will use the function DATE_ADD(COLUMN_NAME, INTERNAL Number Date_elem
                                                                                                         wnt). Here, the quantity in number and in Date_element will combine to form the interval to be added to the date in the column. For the given question, the query would be
  1. 1
1. SELECT DATE_ADD(RESCUEDATE, INTERNAL 3 DAY) FROM PETRESCUE
Similarly, we can retrieve a date before the one given in the column by a given number using the function DATE_SUB. By modifying the same example, the following query would provide the date 3 days before the rescu
Write a query that displays the length of time the animals have been rescued, for example, the difference between the current date and the rescue date.

For this query, we will use the function settor(resea, 2, nea, 2). This function calculates the difference between the two given dates and gives the output in number of days. For the given question, the query would be
CURRENT_DATE is also an inbuilt function that returns the present date as known to the server.
To present the output in a YYYY-MM-DD format, another function reso (asys(meter of days)) can be used. This function takes a number of days and returns the required formatted output. The query above would thus be modified to
Practice Problems
  1. Write a query that displays the average cost of rescuing a single dog. Note that the cost per dog would not be the same in different instan

    Click here for a him
    For such a problem, you must use the 'AVG' function on 'COST/QUANTITY', for example, cost per unit quantity.
    Click here for the solution

    1. 1
    1. SELECT AVG(COST/QUANTITY) PROM PETRESCUE WHERE ANIMAL = 'Dog';

    Click here for a hint
    To write this query, you must use the `DISTINCT' and `UCASE' functions.
    Click here for the solution

     . 1
. SELECT DISTINCT UCASE(ANIMAL) FROM PETRESCUE;
Copiedt
    3. Write a query that displays all the columns from the PETRESCUE table where the animal(s) rescued are cats. Use cat in lowercase in the query.

    Click here for a hint
    You have to use 'LCASE' function for writing this query.
    Click here for the solution

Copiedt

    Write a query that displays the number of rescues in the 5<sup>th</sup> month.

▼ Click here for a hint
You must use the `SUM` AND `MONTH` function to write this query.
▼ Click here for the solution
Copiedt
    5. The rescue shelter is supposed to find good homes for all animals within 1 year of their rescue. Write a query that displays the ID and the target date

    Click here for a hint
    You have to use the `DATE_ADD` function for writing this query.
    Click here for Solution

     i. 1
i. Select ID, DATE_ADD(RESCUEDATE, INTERVAL 1 YEAR) FROM PETRESCUE;
Conclusion
Congratulations on completing this lab.
You are now able to:

    Use aggregation functions to calculate total, maximum, minimum, and average values of numerical attributes.
    Use scalar functions to round a floating value to the desired number of decimal places.
    Use string functions to convert text into upper or lower cases.
    Use date operations to manipulate data columns with the attribute as date.
Author(s)
Abhishek Gagneja
Changelog
```

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