

Class 12: MySQL Databases with PHP

What is MySQL?

How to create a MySQL database

Working with cPanel and phpMyAdmin

Adding data to a database

Querying a database

Formatting and printing data with PHP

References

PHP Solutions: Dynamic Web Design Made Easy 2nd Ed. by David Powers

Head First PHP & MySQL by Lynn Beighley and Michael Morrison

Class 12 Homework

Read: Chapters 10 - 14 of PHP Solutions: Dynamic Web Design Made Easy

You may not need to use a database just yet but your web hosting account should allow you to create at least one, so experiment. Try to create a simple news system as demonstrated in this week's presentation. Databases can easily be deleted, so a test database can be removed at a later date.

PHP scripts for connecting to databases and running queries can vary a lot in their syntax – there are many ways of doing it. The syntax in this week's presentation is the same as used in David Power's book *PHP Solutions* but you may use any method you feel comfortable with; although it's worth pointing out that the `mysqli` methods are better (the "i" stands for improved).

```
$conn = new mysqli('localhost', $db_user, $db_password, $db_name)
or die ('Cannot open database');
```

Remember, PHP scripts will only work once uploaded to the web server. It will not work on your local computer, so get used to testing your websites live on the server.