

Assignment help PHP + MySQL crash course

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Assignment

- Implement a web application for movie management with a movie database as data storage and a web front-end using the Linux-Apache-MySQL-PHP (LAMP) web development framework
- To be completed in groups (3-5)
- Deploy solution
 - See TA in the lab to get a MySQL account for your group
- Demo your solution during the scheduled labs or send solution (URL + source) by email to TA by 2013-03-31

Connecting to MySQL from PHP

```
<?php
$hostname = "linne.it.uu.se";
$username = "...";
$password = "...";
$connection = mysql_connect($hostname, $username,
    $password)
    or die("Could not open connection to database");
?>
```

- Now the variable **\$connection** contains the information for your connection to MySQL. You can disconnect using:

```
<?php
mysql_close($connection)
    or die("Could not close connection to database");
?>
```

Select a database, issue queries

- Once you have connected successfully, you should select the database you will use. Then you can issue queries to the database.

```
<?php  
mysql_select_db("your DB name", $connection)  
or die("Could not select database");  
$result = mysql_query("select * from  
some_table"); // No ; at the end  
or die("Could not issue MySQL query");  
?>
```

- Now the variable **\$result** holds the query resultset.

Table of books

- We have the following table of books, called **books**:

| book_name | publish_year | price | rating |
|-----------------------|--------------|-------|--------|
| Gone with the Wind | 1936 | 174 | 5 |
| To Kill a Mockingbird | 1960 | 189 | 5 |

- How can we access this table from PHP?

Printing the results from a query

After issuing a query, you retrieve the results using the variable \$result. Retrieve one row at a time using mysql_fetch_assoc(\$result).

```
<?php
$result = mysql_query("select book_name, publish_year from books");

if (mysql_num_rows($result) == 0) {
    print("No results matching your query<BR>\n");
} else {
    print("The Books:<br />\n");
    while ($row = mysql_fetch_assoc($result)) {
        $book_name = $row["book_name"];
        $publish_year = $row["publish_year"];
        print("Book name: $book_name, Publish year: $publish_year\n");
    }
}
?>
```

HTML forms and PHP variables

- Create a HTML form:

```
<form action="add_book.php" method="POST">  
    <input type="text" name="book_name">  
    <input type="text" name="publish_year">  
    <input type="submit" value="Add Book">  
</form>
```

- Then, in **add_book.php**, access the submitted values:

```
<?php  
$book_name = $_POST[ "book_name" ] ;  
$publish_year = $_POST[ "publish_year" ] ;  
print( "You entered $book_name and $publish_year" ) ;  
?>
```

Drop down list

- Given the following table of book categories, called **category**

| id | name |
|----|--------|
| 1 | Sci-Fi |
| 2 | Poesi |

- Create drop down list

```
<select name="category">
    <?php
        $result = mysql_query("select id, name from category");
        while($row = mysql_fetch_assoc($result)) {
            $id = $row["id"];
            $name = $row["name"];
            print("<option value='$id'>$name</option>\n");
        }
    ?>
</select>
```

- Selected value available in `$_POST["category"]`

Useful links

- PHP - <http://php.net/docs.php>
- MySQL using PHP - <http://se.php.net/manual/en/book.mysql.php>
- NetBeans PHP IDE - <http://netbeans.org/features/php/>

- PHP+MySQL Tutorial -
<http://www.freewebmasterhelp.com/tutorials/phpmysql/>
- Website development - <http://www.w3schools.com/>

- Apache+MySQL+PHP on Windows (WAMP) -
<http://www.wampserver.com/en/>