

Common Errors

Fatal error: Cannot redeclare

This happens if you include functions.php twice in the same file.

```
include 'functions.php';  
  
include 'functions.php';
```

To fix this just remove the lower include.

Notice: Undefined variable: y

Here we try to output \$y before it was given a value.

PHP reads the file from top to bottom, so we need to make sure that \$y has a value before we try to read the value.

```
<?php  
  
echo $y;  
  
$y = 32;
```

To fix this rearrange the file to define it before it gets used. Like so:

```
<?php  
  
$y = 32;  
echo $y;
```

General error: 1 no such column: SessionID

This happens if you are selecting a column that is not part of that table.

```
$statement = $dbh->prepare("SELECT SessionID, Title FROM Movies ");
```

SessionID is not in the movies table, we may need to do a join to the sessions table if we want to get sessionIDs

General error: 1 near "FROM": syntax error

This can happen if you have a stray comma before the word FROM in your SQL.

Can also happened if you have unclosed brackets just before the word FROM.

Undefined index: Plot

This usually happens because we never selected the plot in our SQL.

```
$statement = $dbh->prepare("SELECT MovieID, Title FROM Movies ");
$statement->execute();
while($row = $statement->fetch())
{
    $Plot = $row['Plot'];
}
```

Remember that you can always check what is in a variable using `var_dump()`

This can also occur if you did not put commas between your column names.

Another possibility is this:

```
while($row2 = $statement->fetch())
{
    $Plot = $row2['MovieID'];
    $SessionID = $row['SessionID'];
    $Title = $row2['Title'];
}
```

Notice that we are using `$row2` instead of `$row`.

Make sure the `$row` variables names are correct.

General error: 1 near "INNER": syntax error

Syntax errors can also be caused by having your keywords in the wrong order.

LIMIT statements must go **after** INNER JOIN statements. See the SQL lecture slides.

```
$statement = $dbh->prepare("
SELECT MovieID, Title
FROM Movies
LIMIT 10
INNER JOIN Sessions ON Sessions.MovieID = Movies.MovieID");
```

syntax error, unexpected 'test' (T_STRING), expecting ',' or ';'

This often happens if you have the wrong quotes (or no quotes) around strings.

```
echo "<a href = \"test\">Link</a>";
```

When in PHP try to get all strings to appear grey like so:

```
echo "<a href = 'test'>Link</a>";
```

General error: 1 ambiguous column name

See the assignment appendix.

General error: 25 bind or column index out of range

This happens if you have a `bindValue()` with no matching question mark in the SQL.
or if you have more `bindValue` statements than you do question marks.

Check that every question mark has a corresponding `bindValue()` with the correct number.

General error: 20 datatype mismatch

This happens when you try to bind a text variable to a number.

```
$statement = $dbh->prepare("
SELECT Movies.MovieID, Title
FROM Movies
LIMIT 10 OFFSET ?
");
$statement->bindValue(1, "cheese");
```

Offsets must be integers.

"Cheese" is not a number, so having an offset of "Cheese" makes no sense.

Check that your `bindValue` statements are correct.

syntax error, unexpected end of file

This can happen if you are missing a closing curly bracket on your if statements.

Check that every opening bracket "{" has a corresponding closing bracket "}"

My reviews are displaying strange but I have no error messages.

This is usually caused by malformed HTML (forgetting to close tags)

Run the page through the validator (see end of Lab 8)

General error: 8 attempt to write a readonly database

This happens if you did not chmod the database directory AND the database file to 707.

```
cd ~/public_webprog
cd ITF
cd Lab08
chmod 707 database
cd database
chmod 707 MovieDatabase.db
```

If you get an operation not permitted error then continue reading

This can happen because the file was not created by you, the web server did, and there for you are not its owner. However you can copy and delete it.

```
mv MovieDatabase.db OldMovieDatabase.db
cp OldMovieDatabase.db MovieDatabase.db
rm OldMovieDatabase.db
chmod 707 MovieDatabase.db
```