

PHP Exercises

One

If you haven't created a database yet, create one (either using MAMP or XAMPP on your local machine, or via the Kingston University web site).

Two

Create a table called *responses* with the following fields:

```
studentname of type char(255)
coursetitle of type char(120)
courserating of type char(80)
comments of type char(255)
```

You can either use the *phpmyadmin* interface or the SQL syntax for the create statement ...

```
create table tablename (
  fieldname type,
  fieldname type,
  ...);
```

Three

Using the SQL insert statement to insert the following records into the table set up in part two (these lines are available in a file available from barryavery.com as *insertresponses.sql*)

```
... values ("SMITH", "BIT", "Outstanding", "Its brilliant");
... values ("JONES", "BIT", "Mostly Adequate", "Its OK");
... values ("AVERY", "BIT", "Outstanding", "Its brilliant");
... values ("MITCHELL", "AIS", "Dull", "Yawn");
... values ("WEBB", "AIS", "Outstanding", "Its brilliant");
... values ("TENNENT", "BIM", "Mostly Adequate", "Its OK");
... values ("RUSSELL", "BIM", "Mostly Adequate", "No comment");
```

Use *select * from responses* to make sure the records are correctly inserted

Four

Finish the following code *viewresponses.php* to display all the records in the database using PHP (source is available from barryavery.com)

1	<?php
2	// Connecting, selecting database
3	\$link = mysql_connect('hostname', 'username', 'password')
4	or die('Could not connect: ' . mysql_error());
5	echo 'Connected successfully';
6	mysql_select_db('databasename') or die('Could not select database');
7	
8	// Performing SQL query
9	\$query = 'SELECT * FROM responses';
10	\$result = mysql_query(\$query) or die('Query failed: ' . mysql_error());
11	?>
12	<html>
13	<head>
14	</head>
15	<body>
16	<?php
17	// Printing results
18	while (\$line = mysql_fetch_array(\$result)) {
19	
20	//insert your print statement here
21	
22	};
23	
24	// Closing connection
25	mysql_close(\$link);
26	?>
27	</body>
28	</html>

To get this working you will have to

- Alter line 3 to include the hostname, username and password
- Alter line 6 to your databasename
- Alter line 20 to include your print statement, which will look like
 print \$line['xxx']...

Five

The form *webscriptingform1.php* is available from the web site. Clicking on the *continue* button passes the values to *response1.php* through the `$_POST` array which then prints the values out. Save both files in the web publishing folder and check that they work correctly.

BUMP students

This form will allow you to provide feedback for your second year modules.

Provide your feedback

Enter your name:

Course Title

How do you rate the course: Outstanding Mostly Adequate Dull

Other Comments:

Thank you for your feedback

Write code to take a record from this form and then save it into the database. You will have to write a new version of *response1.php* that takes the values from the `$_POST` array, forms an appropriate SQL *insert* statement and then runs it against the database.

Your code will look something like this:

1	//Convert \$_POST array values into appropriate variables
2	\$studentname=\$_POST["studentname"];
3	...
4	
5	//Open connection to database
6	// Connecting, selecting database
7	\$link = mysql_connect('hostname', 'username', 'password')
8	or die('Could not connect: ' . mysql_error());
9	echo 'Connected successfully';
10	mysql_select_db('databasename) or die('Could not select database');
11	
12	//Form SQL insert statement
13	\$SQLstring='insert into responses (studentname,coursetitle,courserating, comments) values ("'.\$studentname.'", "'.\$nextformfield.'" . . . etc);
14	
15	//Run query on database
16	\$result = mysql_query(\$SQLstring) or die('Query failed: ' . mysql_error());
17	
18	print "<p>Insert attempt completed</p>";
19	//Close connection
20	mysql_close(\$link);

To get this working you will have to

- Alter line 3 and 4 to get the values from the `$_POST` array
- Alter line 7 and 10 so it can connect to your database
- Alter line 13 to include a correct SQL *insert* statement