

Lab 3 – SQL & MySQLi				
Section	Task	Comments	Marks	Out Of
Best Practices				
	A connection handle to the database is established using a separate file, located in the 'data' directory (above `public_html`).			2
	At the end of the session, the connection to the database is closed.			1
Table Setup				
	An appropriate data-type is used for each column.			3
	The length is appropriate for each column.			3
	A unique identifier is chosen or created for the table's primary key.			1
	The primary key is auto-incremented.			1
	All of the records are successfully imported.			1
Queries (SQL)				
1	SQL query counts the total number of records in the table. The returned result is accurate.			2
2	Two queries are written. They contain a condition, order the results, and include a limit on the number of records returned. The returned results are accurate.			3
3	SQL query counts specific records in the table using multiple conditions. The returned result is accurate.			2
4	SQL query fetches specific records in the table using multiple conditions. The returned result is accurate.			2
5	SQL query uses an aggregate function to return the average (mean) of a column. The returned result is accurate.			2
6	SQL query uses a comparison operator in its condition. The returned result is accurate.			2
7	Two queries are written. They contain a complex condition, order the results, and include a limit on the number of records returned. The returned results are accurate.			3
8	SQL query uses an aggregate function to count the number of times each value appears in a single column. The returned result is accurate.			2
9	SQL query fetches specific records in the table using logical operators. The returned result is accurate.			2
10	SQL query uses an aggregate function to return the average (mean) of records that meet specific conditions. The returned result is accurate.			2
11	An INSERT statement successfully enters the given information into the table. The record is then read from the database. The returned result is accurate.			3
12	An UPDATE statement successfully alters the record in the way specified. The record is then read from the database. The returned result is accurate.			3
13	A DELETE statement removes the record from the table. The record is then attempted to be read from the database. The returned result is accurate.			3
PHP and Presentation				
	Questions and/or answers are easy to read, contain context, and are user-friendly.			4
	The code handles potential errors or exceptions during database interactions and provides appropriate error messages or fallback options.			3
			Total 0	50