

Tutorial 4: PHP and MySQL

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- mysql
 - Original MySQL API
- mysqli
 - MySQL improved API
- PDO
 - PHP Data Objects

	mysql	mysqli	PDO
Introduced	v2.0	v5.0	v5.1
Deprecated	v5.5	-	-
Included with PHP	YES	YES	YES
Pre-configured for MySQL	YES	YES	
Other databases supported			YES
Procedural interface	YES	YES	
Object-oriented interface		YES	YES
Prepared statements		YES	YES

Procedural

mysql_connect
mysql_connect_errno
mysql_connect_error
mysql_real_escape_string
mysql_query
mysql_fetch_assoc
mysql_close

Object-oriented

\$mysqli = new mysqli
\$mysqli->connect_errno
\$mysqli->connect_error
\$mysqli->real_escape_string
\$mysqli->query
\$mysqli->fetch_assoc
\$mysqli->close

Five Steps

1. Create a database connection
2. Perform a database query
3. Use returned data
4. Release returned data
5. Close database connection

Working with retrieved data

`mysqli_fetch_row`

- Results are in standard array
- Keys are integers

`mysqli_fetch_assoc`

- Results are in associative array
- Keys are column names

`mysqli_fetch_array`

- Results are in standard, associative or both types of array
- `MYSQL_NUM`, `MYSQL_ASSOC`, `MYSQL_BOTH`

`mysqli_fetch_object`

Q&A