MySQL

What is MySQL

- MySQL is a database system used on the web.
- MySQL is a database system that runs on a server.
- MySQL is ideal for both small and large applications.
- MySQL is very fast, reliable, and easy to use.
- MySQL uses standard SQL.
- MySQL compiles on a number of platforms.
- MySQL is free to download and use.
- MySQL is developed, distributed, and supported by Oracle Corporation.

MySQL Connect to a Database

- **`mysql_connect()`** function opens a non-persistent MySQL connection.

- This function returns the connection on success, or FALSE and an error on failure.

- **Syntax**

- mysql_connect(servername,username,password);

Parameter	Description
servername	Optional. Specifies the server to connect to. Default value is "localhost:3306"
username	Optional. Specifies the username to log in with. Default value is the name of the user that owns the server process
password	Optional. Specifies the password to log in with. Default is ""

Closing a Connection

- **mysql_close()**
  - The **mysql_close()** function closes a non-persistent MySQL connection.
  - This function returns TRUE on success, or FALSE on failure.
  - Syntax:
  - **mysql_close(connection)**

Parameter	Description
connection	Specifies the MySQL connection to close. If not specified, the last connection opened by **mysql_connect()** is used.

- **`mysql_select_db()`**
  - The mysql_select_db() function sets the active MySQL database.
  - This function returns TRUE on success, or FALSE on failure.
- Syntax:
  - **`mysql_select_db(database,connection)`**

Parameter	Description
database	Required. Specifies the database to select.
connection	Optional. Specifies the MySQL connection. If not specified, the last connection opened by mysql_connect() is used.

- **`mysql_query()`**
  - The **`mysql_query()`** function executes a query on a MySQL database.
  - This function returns the query handle for SELECT queries, TRUE/FALSE for other queries, or FALSE on failure.
- Syntax
  - **`mysql_query(query,connection)`**

Parameter	Description
query	Required. Specifies the SQL query to send (should not end with a semicolon)
connection	Optional. Specifies the MySQL connection. If not specified, the last connection opened by mysql_connect() is used.

- **`mysql_fetch_array()`**
  - The **`mysql_fetch_array()`** function returns a row from a recordset as an associative array and/or a numeric array.
  - This function gets a row from the **`mysql_query()`** function and returns an array on success, or FALSE on failure or when there are no more rows.
- Syntax
  - **`mysql_fetch_array(data,array_type)`**

Parameter	Description
data	Required. Specifies which data pointer to use. The data pointer is the result from the mysql_query() function
array_type	Optional. Specifies what kind of array to return.Possible values: •MYSQL_ASSOC - Associative array •MYSQL_NUM - Numeric array •MYSQL_BOTH - Default. Both associative and numeric array

- **`mysql_fetch_row()`**
  - The **`mysql_fetch_row()`** function returns a row from a recordset as a numeric array.
  - This function gets a row from the **`mysql_query()`** function and returns an array on success, or FALSE on failure or when there are no more rows.
- Syntax
  - **`mysql_fetch_row(data)`**

Parameter	Description
data	Required. Specifies which data pointer to use. The data pointer is the result from the mysql_query() function