**CodeIgniter 3 :**

**MySQL database Built-in Methods :**

CodeIgniter 3 provides a wide range of database-related functions through its database library. Below is a list of some of the most commonly used functions and methods available in the CodeIgniter 3 database library for working with MySQL databases:

**1. Connecting to the Database:**

$this->load->database(); - Load the database library and establish a database connection.

**2. Query Building:**

$this->db->select(); - Specify columns to select in a SELECT query.

$this->db->from(); - Specify the table to query from.

$this->db->where(); - Add conditions to the WHERE clause.

$this->db->join(); - Perform table joins.

$this->db->insert(); - Insert data into a table.

$this->db->update(); - Update data in a table.

$this->db->delete(); - Delete data from a table.

$this->db->get(); - Execute a SELECT query.

**3. Query Execution:**

$this->db->query(); - Execute a raw SQL query.

$this->db->insert\_id(); - Get the last inserted ID.

$this->db->affected\_rows(); - Get the number of affected rows by the last query.

**4. Result Handling:**

$query->result(); - Get an array of results.

$query->row(); - Get a single row result.

$query->num\_rows(); - Get the number of rows returned by a query.

**5. Transactions:**

$this->db->trans\_start(); - Start a transaction.

$this->db->trans\_complete(); - Complete a transaction.

$this->db->trans\_rollback(); - Rollback a transaction.

**6. Escaping Data:**

$this->db->escape(); - Escape a string.

$this->db->escape\_str(); - Escape a string and add single quotes.

$this->db->escape\_like\_str(); - Escape a string for use in a LIKE clause.

**7. Miscellaneous:**

$this->db->count\_all(); - Get the total number of rows in a table.

$this->db->list\_fields(); - Get the list of fields in a table.

$this->db->field\_data(); - Get information about the fields in a table.

$this->db->last\_query(); - Get the last executed SQL query.

These are some of the core functions and methods you can use when working with a MySQL database in CodeIgniter 3. Keep in mind that this is not an exhaustive list, and there are many more functions and options available in the CodeIgniter 3 database library to handle various database operations efficiently. You should refer to the CodeIgniter 3 documentation for comprehensive information on using these functions: https://codeigniter.com/user\_guide/3/index.html