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| **Package/Method** | **Description** | **Code Example** |
| **SELECT** | Retrieves data from one or more tables based on specified columns. | **SELECT column1, column2 FROM table\_name;** |
| **FROM** | Specifies the table from which data is retrieved. | **SELECT column1, column2 FROM table\_name;** |
| **WHERE** | Filters data based on specified conditions. | **SELECT column1, column2 FROM table\_name WHERE condition;** |
| **ORDER BY** | Sorts the result set based on specified columns in ascending or descending order. | **SELECT column1, column2 FROM table\_name ORDER BY column1 ASC;** |
| **GROUP BY** | Groups rows based on a specified column. | **SELECT column1, COUNT(\*) FROM table\_name GROUP BY column1;** |
| **HAVING** | Filters grouped data based on specified conditions. | **SELECT column1, COUNT(\*) FROM table\_name GROUP BY column1 HAVING COUNT(\*) > 1;** |
| **INSERT INTO** | Inserts data into a table. | **INSERT INTO table\_name (column1, column2) VALUES (value1, value2);** |
| **UPDATE** | Modifies data in a table based on specified conditions. | **UPDATE table\_name SET column1 = value1 WHERE condition;** |
| **DELETE FROM** | Deletes data from a table based on specified conditions. | **DELETE FROM table\_name WHERE condition;** |
| **JOIN** | Combines rows from multiple tables based on related columns. | **SELECT column1, column2 FROM table1 JOIN table2 ON table1.column = table2.column;** |
| **INNER JOIN** | Returns only matching rows from both tables. | **SELECT column1, column2 FROM table1 INNER JOIN table2 ON table1.column = table2.column;** |
| **LEFT JOIN** | Returns all rows from the left table and matching rows from the right table. | **SELECT column1, column2 FROM table1 LEFT JOIN table2 ON table1.column = table2.column;** |
| **RIGHT JOIN** | Returns all rows from the right table and matching rows from the left table. | **SELECT column1, column2 FROM table1 RIGHT JOIN table2 ON table1.column = table2.column;** |
| **FULL JOIN** | Returns all rows from both tables, regardless of the match. | **SELECT column1, column2 FROM table1 FULL JOIN table2 ON table1.column = table2.column;** |
| **DISTINCT** | Returns unique values from a column. | **SELECT DISTINCT column1 FROM table\_name;** |
| **COUNT** | Counts the number of rows or non-null values in a column. | **SELECT COUNT(\*) FROM table\_name;** or **SELECT COUNT(column1) FROM table\_name;** |
| **SUM** | Calculates the sum of values in a column. | **SELECT SUM(column1) FROM table\_name;** |
| **AVG** | Calculates the average value of a column. | **SELECT AVG(column1) FROM table\_name;** |
| **MAX** | Finds the maximum value in a column. | **SELECT MAX(column1) FROM table\_name;** |
| **MIN** | Finds the minimum value in a column. | **SELECT MIN(column1) FROM table\_name;** |