11.Explain the purpose and usage of the aggregate methods count(), sum(), avg(), max(), and min() in Laravel's query builder. Provide an example of each.

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\*count(): The count() method is used to retrieve the total count of records that match the specified conditions.

Example usage:

\$count = DB::table('users')->count();

In this example, the count() method is called on the query builder to retrieve the total count of records in the "users" table.

\*sum(): The sum() method is used to calculate the sum of a specific column's values from the matching records.

Example usage:

\$totalAmount = DB::table('orders')->sum('amount');

In this example, the sum('amount') method is called on the query builder to calculate the sum of the "amount" column values from the "orders" table.

\*avg(): The avg() method is used to calculate the average value of a specific column from the matching records.

Example usage:

\$averagePrice = DB::table('products')->avg('price');

In this example, the avg('price') method is called on the query builder to calculate the average value of the "price" column from the "products" table.

\*max(): The max() method is used to retrieve the maximum value of a specific column from the matching records.

Example usage:

\$highestScore = DB::table('scores')->max('score');

In this example, the max('score') method is called on the query builder to retrieve the maximum value of the "score" column from the "scores" table.

\*min(): The min() method is used to retrieve the minimum value of a specific column from the matching records.

Example usage:

\$lowestPrice = DB::table('products')->min('price');