`GetUnattemptedQuiz` takes a `loginid` and a `connectionString` as input parameters.

- It checks if the `loginid` value is null or empty. If it is, it returns an error message using the `ErrorHandler` routine.

- It establishes a connection to the PostgreSQL database using the provided `connectionString` and opens the connection.

- The SQL statement is defined to retrieve unattempted quiz data. It selects the `question\_id`, `question\_text`, `option\_name`, and `option\_text` columns from the `quiz\_questions`, `quiz\_history`, and `quiz\_options` tables.

- The `LEFT JOIN` is used to join the `quiz\_questions` and `quiz\_history` tables based on the `question\_id`, and the `login\_id` is matched using the `ILIKE` operator to perform a case-insensitive comparison.

- The `INNER JOIN` is used to join the `quiz\_questions` and `quiz\_options` tables based on the `question\_id`.

- The `WHERE` clause filters the result set to include only the rows where there is no matching `question\_id` in the `quiz\_history` table, indicating unattempted questions.

- The `sqlstatement` is passed to a new `NpgsqlCommand` object along with the `connection`.

- The `@loginid` parameter is added to the command and its value is set to the `loginid` parameter passed to the function.

- The `FormatQuizToJson` method is called with the command to execute the query and return the output in JSON format.

- The JSON result is returned from the function.

Overall, this code retrieves unattempted quiz data from the database based on the provided `loginid` by executing the SQL statement and formatting the result into JSON format using the `FormatQuizToJson` method.