- Added a JSON merge function intended to conform to RFC 7396. JSON_MERGE_PATCH(), when
 used on 2 JSON objects, merges them into a single JSON object that has as members a union of the
 following sets:
 - Each member of the first object for which there is no member with the same key in the second object.
 - Each member of the second object for which there is no member having the same key in the first object, and whose value is not the JSON null literal.
 - Each member having a key that exists in both objects, and whose value in the second object is not the JSON null literal.

As part of this work, the <code>JSON_MERGE()</code> function has been renamed <code>JSON_MERGE_PRESERVE()</code>. <code>JSON_MERGE()</code> continues to be recognized as an alias for <code>JSON_MERGE_PRESERVE()</code> in <code>MySQL</code> 8.0, but is now deprecated and is subject to removal in a future version of <code>MySQL</code>.

For more information and examples, see Section 12.18.4, "Functions That Modify JSON Values".

• Implemented "last duplicate key wins" normalization of duplicate keys, consistent with RFC 7159 and most JavaScript parsers. An example of this behavior is shown here, where only the rightmost member having the key x is preserved:

Values inserted into MySQL JSON columns are also normalized in this way, as shown in this example:

This is an incompatible change from previous versions of MySQL, where a "first duplicate key wins" algorithm was used in such cases.

See Normalization, Merging, and Autowrapping of JSON Values, for more information and examples.

• Added the JSON_TABLE() function in MySQL 8.0.4. This function accepts JSON data and returns it as a relational table having the specified columns.

This function has the syntax $JSON_TABLE(expr, path COLUMNS column_list)$ [AS] alias), where expr is an expression that returns JSON data, path is a JSON path applied to the source, and $column\ list$ is a list of column definitions. An example is shown here:

```
mysql> SELECT *
-> FROM
```