

- **reason**: A human-readable string containing the reason for the failure
- **schema-location**: A JSON pointer URI fragment identifier indicating where in the JSON schema the validation failed (see Note following this list)
- **document-location**: A JSON pointer URI fragment identifier indicating where in the JSON document the validation failed (see Note following this list)
- **schema-failed-keyword**: A string containing the name of the keyword or property in the JSON schema that was violated



#### Note

JSON pointer URI fragment identifiers are defined in [RFC 6901 - JavaScript Object Notation \(JSON\) Pointer](#). (These are *not* the same as the JSON path notation used by `JSON_EXTRACT()` and other MySQL JSON functions.) In this notation, `#` represents the entire document, and `#/myprop` represents the portion of the document included in the top-level property named `myprop`. See the specification just cited and the examples shown later in this section for more information.

In this example, we set a user variable `@schema` to the value of a JSON schema for geographical coordinates, and another one `@document` to the value of a JSON document containing one such coordinate. We then verify that `@document` validates according to `@schema` by using them as the arguments to `JSON_SCHEMA_VALIDATION_REPORT()`:

```
mysql> SET @schema = '{
  > "id": "http://json-schema.org/geo",
  > "$schema": "http://json-schema.org/draft-04/schema#",
  > "description": "A geographical coordinate",
  > "type": "object",
  > "properties": {
  >   "latitude": {
  >     "type": "number",
  >     "minimum": -90,
  >     "maximum": 90
  >   },
  >   "longitude": {
  >     "type": "number",
  >     "minimum": -180,
  >     "maximum": 180
  >   }
  > },
  > "required": ["latitude", "longitude"]
  > }';
Query OK, 0 rows affected (0.01 sec)

mysql> SET @document = '{
  > "latitude": 63.444697,
  > "longitude": 10.445118
  > }';
Query OK, 0 rows affected (0.00 sec)

mysql> SELECT JSON_SCHEMA_VALIDATION_REPORT(@schema, @document);
+-----+
| JSON_SCHEMA_VALIDATION_REPORT(@schema, @document) |
+-----+
| {"valid": true}                                     |
+-----+
```