

A simple search condition could consist of the `Name` field and a value we know is in a document. The following example returns a single document:

```
mysql-js> db.countryinfo.find("Name = 'Australia'")
[
  {
    "GNP": 351182,
    "Code": "AUS",
    "Name": "Australia",
    "IndepYear": 1901,
    "geography": {
      "Continent": "Oceania",
      "Region": "Australia and New Zealand",
      "SurfaceArea": 7741220
    },
    "government": {
      "GovernmentForm": "Constitutional Monarchy, Federation",
      "HeadOfState": "Elisabeth II"
    },
    "demographics": {
      "LifeExpectancy": 79.80000305175781,
      "Population": 18886000
    }
  }
]
```

The following example searches for all countries that have a GNP higher than \$500 billion. The `countryinfo` collection measures GNP in units of million.

```
mysql-js> db.countryinfo.find("GNP > 500000")
...[output removed]
10 documents in set (0.00 sec)
```

The Population field in the following query is embedded within the demographics object. To access the embedded field, use a period between demographics and Population to identify the relationship. Document and field names are case-sensitive.

```
mysql-js> db.countryinfo.find("GNP > 500000 and demographics.Population < 100000000")
...[output removed]
6 documents in set (0.00 sec)
```

Arithmetic operators in the following expression are used to query for countries with a GNP per capita higher than \$30000. Search conditions can include arithmetic operators and most MySQL functions.



Note

Seven documents in the `countryinfo` collection have a population value of zero. Therefore warning messages appear at the end of the output.

```
mysql-js> db.countryinfo.find("GNP*1000000/demographics.Population > 30000")
...[output removed]
9 documents in set, 7 warnings (0.00 sec)
Warning (Code 1365): Division by 0
Warning (Code 1365): Division by 0
Warning (Code 1365): Division by 0
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```

You can separate a value from the search condition by using the `bind()` method. For example, instead of specifying a hard-coded country name as the condition, substitute a named placeholder consisting of a colon followed by a name that begins with a letter, such as `country`. Then use the `bind(placeholder, value)` method as follows: