

```
sh-4.2$ sudo su
[root@ip-10-1-11-86 bin]# cd /home/ec2-user/
[root@ip-10-1-11-86 ec2-user]# mysql -u root --password='re:St@rt!9'
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 14
Server version: 10.6.15-MariaDB MariaDB Server

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
```

```
MariaDB [(none)]> SHOW DATABASES;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| sys |
| world |
+-----+
5 rows in set (0.004 sec)
```

```
MariaDB [(none)]> SELECT * FROM world.country;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| Code | Name | GNPold | LocalName | Continent | Region | GovernmentForm | SurfaceArea | IndepYear | Population | LifeExpect |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| ABW | Aruba | 793.00 | Aruba | North America | Caribbean | Nonmetropolitan Territory of The Netherlands | 193.00 | NULL | 103000 | 78.4 |
| AFG | Afghanistan | 5976.00 | NULL | Asia | Southern and Central Asia | Islamic Emirate | 652090.00 | 1919 | 22720000 | 45.9 |
| AGO | Angola | 7984.00 | Angola | Africa | Central Africa | Republic | 1246700.00 | 1975 | 12878000 | 38.3 |
| AIA | Anguilla | 63.20 | Anguilla | North America | Caribbean | Dependent Territory of the UK | 96.00 | NULL | 8000 | 76.1 |
| ALB | Albania | 2500.00 | Shqipëria | Europe | Southern Europe | Republic | 28748.00 | 1912 | 3401200 | 71.6 |
| AND | Andorra | 1630.00 | Andorra | Europe | Southern Europe | Parliamentary Coprincipality | 468.00 | 1278 | 78000 | 83.5 |
| ANT | Netherlands Antilles | 1941.00 | NULL | North America | Caribbean | Nonmetropolitan Territory of The Netherlands | 800.00 | NULL | 217000 | 74.7 |
| ARE | United Arab Emirates | 36846.00 | Al-'Imarat al-'Arabiya al-Muttahida | Asia | Middle East | Emirate Federation | 83600.00 | 1971 | 2441000 | 74.1 |
| ARG | Argentina | 323310.00 | Argentina | South America | South America | Federal Republic | 2780400.00 | 1816 | 37032000 | 75.1 |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| VEN | Venezuela | 88434.00 | Venezuela | South America | South America | Federal Republic | 912050.00 | 1811 | 24170000 | 73.1 |
| VGB | Virgin Islands, British | 573.00 | British Virgin Islands | North America | Caribbean | Dependent Territory of the UK | 151.00 | NULL | 21000 | 75.4 |
| VIR | Virgin Islands, U.S. | 0.00 | Virgin Islands of the United States | North America | Caribbean | US Territory | 347.00 | NULL | 93000 | 78.1 |
| VNM | Vietnam | 22834.00 | Việt Nam | Asia | Southeast Asia | Socialistic Republic | 331689.00 | 1945 | 79832000 | 69.3 |
| VUT | Vanuatu | 246.00 | Vanuatu | Oceania | Melanesia | Republic | 12189.00 | 1980 | 190000 | 60.6 |
| WLF | Wallis and Futuna | 0.00 | Wallis-et-Futuna | Oceania | Polynesia | Nonmetropolitan Territory of France | 200.00 | NULL | 15000 | 69.2 |
| WSM | Samoa | 157.00 | Samoa | Oceania | Polynesia | Parlementary Monarchy | 2831.00 | 1962 | 180000 | 69.2 |
| YEM | Yemen | 5729.00 | Al-Yaman | Asia | Middle East | Republic | 527968.00 | 1918 | 18112000 | 59.8 |
| YUG | Yugoslavia | 17000.00 | Jugoslaviija | Europe | Southern Europe | Federal Republic | 102173.00 | 1918 | 10640000 | 72.4 |
| ZAF | South Africa | 129092.00 | South Africa | Africa | Southern Africa | Republic | 1221037.00 | 1910 | 40377000 | 51.1 |
| ZMB | Zambia | 3922.00 | Zambia | Africa | Eastern Africa | Republic | 752618.00 | 1964 | 9169000 | 37.2 |
| ZWE | Zimbabwe | 8670.00 | Zimbabwe | Africa | Eastern Africa | Republic | 390757.00 | 1980 | 11669000 | 37.8 |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
239 rows in set (0.002 sec)
```

```
MariaDB [(none)]> SELECT sum(Population), avg(Population), max(Population), min(Population), count(Population) FROM world.country;
+-----+-----+-----+-----+-----+
| sum(Population) | avg(Population) | max(Population) | min(Population) | count(Population) |
+-----+-----+-----+-----+-----+
| 6078749450 | 25434098.1172 | 1277558000 | 0 | 239 |
+-----+-----+-----+-----+-----+
1 row in set (0.003 sec)
```

```
MariaDB [(none)]> SELECT Region, substring_index(Region, " ", 1) FROM world.country;
+-----+-----+
| Region | substring_index(Region, " ", 1) |
+-----+-----+
| Caribbean | Caribbean |
| Southern and Central Asia | Southern |
| Central Africa | Central |
| Caribbean | Caribbean |
| Southern Europe | Southern |
| Southern Europe | Southern |
| Caribbean | Caribbean |
| Middle East | Middle |
| South America | South |
| Middle East | Middle |
| Polynesia | Polynesia |
| Antarctica | Antarctica |
| Antarctica | Antarctica |
| Caribbean | Caribbean |
| Australia and New Zealand | Australia |
| Western Europe | Western |
| Middle East | Middle |
+-----+-----+
```

Polynesia	Polynesia
Caribbean	Caribbean
Northern Africa	Northern
Middle East	Middle
Polynesia	Polynesia
Eastern Asia	Eastern
Eastern Africa	Eastern
Eastern Africa	Eastern
Eastern Europe	Eastern
Micronesia/Caribbean	Micronesia/Caribbean
South America	South
North America	North
Southern and Central Asia	Southern
Southern Europe	Southern
Caribbean	Caribbean
South America	South
Caribbean	Caribbean
Caribbean	Caribbean
Southeast Asia	Southeast
Melanesia	Melanesia
Polynesia	Polynesia
Polynesia	Polynesia
Middle East	Middle
Southern Europe	Southern
Southern Africa	Southern
Eastern Africa	Eastern
Eastern Africa	Eastern

-----+-----

239 rows in set (0.002 sec)

```
MariaDB [(none)]> SELECT Name, Region from world.country WHERE substring_index(Region, " ", 1) = "Southern";
```

Name	Region
Afghanistan	Southern and Central Asia
Albania	Southern Europe
Andorra	Southern Europe
Bangladesh	Southern and Central Asia
Bosnia and Herzegovina	Southern Europe
Bhutan	Southern and Central Asia
Botswana	Southern Africa
Spain	Southern Europe
Gibraltar	Southern Europe
Greece	Southern Europe
Croatia	Southern Europe
India	Southern and Central Asia
Iran	Southern and Central Asia
Italy	Southern Europe
Kazakistan	Southern and Central Asia
Kyrgyzstan	Southern and Central Asia
Sri Lanka	Southern and Central Asia
Lesotho	Southern Africa
Maldives	Southern and Central Asia
Macedonia	Southern Europe
Malta	Southern Europe
Namibia	Southern Africa
Nepal	Southern and Central Asia
Pakistan	Southern and Central Asia
Portugal	Southern Europe

```
MariaDB [(none)]> SELECT Name, Region from world.country WHERE Region like 'Southern%';
```

Name	Region
Afghanistan	Southern and Central Asia
Albania	Southern Europe
Andorra	Southern Europe
Bangladesh	Southern and Central Asia
Bosnia and Herzegovina	Southern Europe
Bhutan	Southern and Central Asia
Botswana	Southern Africa
Spain	Southern Europe
Gibraltar	Southern Europe
Greece	Southern Europe
Croatia	Southern Europe
India	Southern and Central Asia
Iran	Southern and Central Asia
Italy	Southern Europe
Kazakhstan	Southern and Central Asia
Kyrgyzstan	Southern and Central Asia
Sri Lanka	Southern and Central Asia
Lesotho	Southern Africa
Maldives	Southern and Central Asia
Macedonia	Southern Europe
Malta	Southern Europe
Namibia	Southern Africa
Nepal	Southern and Central Asia
Pakistan	Southern and Central Asia
Portugal	Southern Europe

San Marino	Southern Europe
Slovenia	Southern Europe
Swaziland	Southern Africa
Tajikistan	Southern and Central Asia
Turkmenistan	Southern and Central Asia
Uzbekistan	Southern and Central Asia
Holy See (Vatican City State)	Southern Europe
Yugoslavia	Southern Europe
South Africa	Southern Africa

```
34 rows in set (0.000 sec)
```

```
MariaDB [(none)]> SELECT Region FROM world.country WHERE LENGTH(TRIM(Region)) < 10;
```

```
+-----+
| Region |
+-----+
| Caribbean |
| Caribbean |
| Caribbean |
| Polynesia |
| Caribbean |
| Caribbean |
| Caribbean |
| Polynesia |
| Caribbean |
| Caribbean |
| Caribbean |
| Caribbean |
| Caribbean |
| Melanesia |
| Caribbean |
| Caribbean |
| Caribbean |
| Caribbean |
| Caribbean |
| Caribbean |
| Caribbean |
| Melanesia |
| Polynesia |
| Polynesia |
| Melanesia |
| Caribbean |
| Polynesia |
```

```
| Caribbean |
| Caribbean |
| Caribbean |
| Melanesia |
| Polynesia |
| Polynesia |
+-----+
```

```
39 rows in set (0.000 sec)
```

```
MariaDB [(none)]> SELECT DISTINCT(Region) FROM world.country WHERE LENGTH(TRIM(Region)) < 10;
```

```
+-----+
| Region |
+-----+
| Caribbean |
| Polynesia |
| Melanesia |
+-----+
```

```
3 rows in set (0.001 sec)
```

```
MariaDB [(none)]> SELECT Name, substring_index(Region, "/", 1) as "Region Name 1", substring_index(region, "/", -1) as "Region Name 2" FROM world.country WHERE Region = "Micronesia/Caribbean";
```

```
+-----+-----+-----+
| Name | Region Name 1 | Region Name 2 |
+-----+-----+-----+
| United States Minor Outlying Islands | Micronesia | Caribbean |
+-----+-----+-----+
```

```
1 row in set (0.000 sec)
```