

```
sh-4.2$ sudo su
[root@ip-10-1-11-235 bin]# cd /home/ec2-user/
[root@ip-10-1-11-235 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
```

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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 (0.001 sec)

```
MariaDB [(none)]> SELECT * FROM world.country;
```

```
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| Code | Name | GNP | GNPold | LocalName | Continent | Region | SurfaceArea | IndepYear | Population | LifeExpect |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| ABW | Aruba | | | | North America | Caribbean | 193.00 | NULL | 103000 | |
```

```
| SYC | Seychelles | 70.4 | 536.00 | 539.00 | Sesel/Seychelles | Africa | Eastern Africa | 455.00 | 1976 | 77000 | SC |
| SYR | Syria | 68.5 | 65984.00 | 64926.00 | Suriya | Asia | Middle East | 185180.00 | 1941 | 16125000 | SY |
| TCA | Turks and Caicos Islands | 73.3 | 96.00 | NULL | The Turks and Caicos Islands | North America | Caribbean | 430.00 | NULL | 17000 | TC |
| TCD | Chad | 50.5 | 1208.00 | 1102.00 | Tchad/Tshad | Africa | Central Africa | 1284000.00 | 1960 | 7651000 | TD |
| TGO | Togo | 54.7 | 1449.00 | 1400.00 | Togo | Africa | Western Africa | 56785.00 | 1960 | 4629000 | TG |
| THA | Thailand | 68.6 | 116416.00 | 153907.00 | Prathet Thai | Asia | Southeast Asia | 513115.00 | 1350 | 61399000 | TH |
| TJK | Tajikistan | 64.1 | 1990.00 | 1056.00 | Tojikiston | Asia | Southern and Central Asia | 143100.00 | 1991 | 6188000 | TJ |
| TKL | Tokelau | NULL | 0.00 | NULL | Tokelau | Oceania | Polynesia | 12.00 | NULL | 2000 | TK |
| TKM | Turkmenistan | 60.9 | 4397.00 | 2000.00 | Türkmenostan | Asia | Southern and Central Asia | 488100.00 | 1991 | 4459000 | TM |
| TMP | East Timor | 46.0 | 0.00 | NULL | Timor Timur | Asia | Southeast Asia | 14874.00 | NULL | 885000 | TP |
| TON | Tonga | 67.9 | 146.00 | 170.00 | Tonga | Oceania | Polynesia | 650.00 | 1970 | 99000 | TO |
| TTO | Trinidad and Tobago | 68.0 | 6232.00 | 5867.00 | Trinidad and Tobago | North America | Caribbean | 5130.00 | 1962 | 1295000 | TT |
| TUN | Tunisia | 73.7 | 20026.00 | 18898.00 | Tunis/Tunisie | Africa | Northern Africa | 163610.00 | 1956 | 9586000 | TN |
| TUR | Turkey | 71.0 | 210721.00 | 189122.00 | Türkiye | Asia | Middle East | 774815.00 | 1923 | 66591000 | TR |
| TUV | Tuvalu | 66.3 | 6.00 | NULL | Tuvalu | Oceania | Polynesia | 26.00 | 1978 | 12000 | TV |
| TWN | Taiwan | | | | | Asia | Eastern Asia | 36188.00 | 1945 | 22256000 |
```

```
| VNM | Vietnam | 69.3 | 21929.00 | 22834.00 | Việt Nam | Asia | Southeast Asia | 331689.00 | 1945 | 79832000 | VN |
| VUT | Vanuatu | 60.6 | 261.00 | 246.00 | Vanuatu | Oceania | Melanesia | 12189.00 | 1980 | 190000 | VU |
| WLF | Wallis and Futuna | NULL | 0.00 | NULL | Wallis-et-Futuna | Oceania | Polynesia | 200.00 | NULL | 15000 | WF |
| WSM | Samoa | 69.2 | 141.00 | 157.00 | Samoa | Oceania | Polynesia | 2831.00 | 1962 | 180000 | WS |
| YEM | Yemen | 59.8 | 6041.00 | 5729.00 | Al-Yaman | Asia | Middle East | 527968.00 | 1918 | 18112000 | YE |
| YUG | Yugoslavia | 72.4 | 17000.00 | NULL | Jugoslavija | Europe | Southern Europe | 102173.00 | 1918 | 10640000 | YU |
| ZAF | South Africa | 51.1 | 116729.00 | 129092.00 | South Africa | Africa | Southern Africa | 1221037.00 | 1910 | 40377000 | ZA |
| ZMB | Zambia | 37.2 | 3377.00 | 3922.00 | Zambia | Africa | Eastern Africa | 752618.00 | 1964 | 9169000 | ZM |
| ZWE | Zimbabwe | 37.8 | 5951.00 | 8670.00 | Zimbabwe | Africa | Eastern Africa | 390757.00 | 1980 | 11669000 | ZW |
```

239 rows in set (0.002 sec)

```
MariaDB [(none)]> SELECT COUNT(*) FROM world.country;
```

```
+-----+
| COUNT(*) |
+-----+
| 239 |
+-----+
```

1 row in set (0.001 sec)

```
MariaDB [(none)]> SELECT COUNT(*) FROM world.country;
```

```
+-----+
| COUNT(*) |
+-----+
|      239 |
+-----+
1 row in set (0.001 sec)
```

```
MariaDB [(none)]> SHOW COLUMNS FROM world.country;
```

Field	Type	Null	Key	Default	Extra
Code	char(3)	NO	PRI		
Name	char(52)	NO			
Continent	enum('Asia','Europe','North America','Africa','Oceania','Antarctica','South America')	NO		Asia	
Region	char(26)	NO			
SurfaceArea	decimal(10,2)	NO		0.00	
IndepYear	smallint(6)	YES		NULL	
Population	int(11)	NO		0	
LifeExpectancy	decimal(3,1)	YES		NULL	
GDP	decimal(10,2)	YES		NULL	
GDPold	decimal(10,2)	YES		NULL	
LocalName	char(45)	NO			
GovernmentForm	char(45)	NO			
Capital	int(11)	YES		NULL	
Code2	char(2)	NO			

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

```
MariaDB [(none)]> SELECT Name, Capital, Region, SurfaceArea, Population FROM world.country;
```

Name	Capital	Region	SurfaceArea	Population
Aruba	129	Caribbean	193.00	103000
Afghanistan	1	Southern and Central Asia	652090.00	22720000
Angola	56	Central Africa	1246700.00	12878000
Anguilla	62	Caribbean	96.00	8000
Albania	34	Southern Europe	28748.00	3401200
Andorra	55	Southern Europe	468.00	78000
Netherlands Antilles	33	Caribbean	800.00	217000
United Arab Emirates	65	Middle East	83600.00	2441000
Argentina	69	South America	2780400.00	37032000
Armenia	126	Middle East	29800.00	3520000
American Samoa	54	Polynesia	199.00	68000
Antarctica	NULL	Antarctica	13120000.00	0
French Southern territories	NULL	Antarctica	7780.00	0
Antigua and Barbuda	63	Caribbean	442.00	68000
Australia	135	Australia and New Zealand	7741220.00	18886000
Austria	1523	Western Europe	83859.00	8091800
Azerbaijan	144	Middle East	86600.00	7734000
Burundi	552	Eastern Africa	27834.00	6695000
Belgium	179	Western Europe	30518.00	10239000
Benin	187	Western Africa	112622.00	6097000
Burkina Faso	549	Western Africa	274000.00	11937000
Bangladesh	150	Southern and Central Asia	143998.00	129155000
Bulgaria	539	Eastern Europe	110994.00	8190900
Bahrain	149	Middle East	694.00	617000
Bahamas	148	Caribbean	13878.00	307000
Bosnia and Herzegovina	201	Southern Europe	51197.00	3972000
Belarus	3520	Eastern Europe	207600.00	10236000

```
MariaDB [(none)]> SELECT Name, Capital, Region, SurfaceArea AS "Surface Area", Population FROM world.country ORDER BY Population;
```

Name	Capital	Region	Surface Area	Population
French Southern territories	NULL	Antarctica	7780.00	0
Heard Island and McDonald Islands	NULL	Antarctica	359.00	0
United States Minor Outlying Islands	NULL	Micronesia/Caribbean	16.00	0
South Georgia and the South Sandwich Islands	NULL	Antarctica	3903.00	0
Bouvet Island	NULL	Antarctica	59.00	0
British Indian Ocean Territory	NULL	Eastern Africa	78.00	0
Antarctica	NULL	Antarctica	13120000.00	0
Pitcairn	2912	Polynesia	49.00	50
Cocos (Keeling) Islands	2317	Australia and New Zealand	14.00	600
Holy See (Vatican City State)	3538	Southern Europe	0.40	1000
Niue	2805	Polynesia	260.00	2000
Tokelau	3333	Polynesia	12.00	2000
Falkland Islands	763	South America	12173.00	2000
Norfolk Island	2806	Australia and New Zealand	36.00	2000
Christmas Island	1791	Australia and New Zealand	135.00	2500
Svalbard and Jan Mayen	938	Nordic Countries	62422.00	3200
Saint Helena	3063	Western Africa	314.00	6000
Saint Pierre and Miquelon	3067	North America	242.00	7000
Anguilla	62	Caribbean	96.00	8000
Montserrat	2697	Caribbean	102.00	11000
Nauru	2728	Micronesia	21.00	12000
Tuvalu	3424	Polynesia	26.00	12000
Wallis and Futuna	3536	Polynesia	200.00	15000
Turks and Caicos Islands	3423	Caribbean	430.00	17000
Palau	2881	Micronesia	459.00	19000

```
MariaDB [(none)]> SELECT Name, Capital, Region, SurfaceArea AS "Surface Area", Population FROM world.country ORDER BY Population DESC;
```

Name	Capital	Region	Surface Area	Population
China	1891	Eastern Asia	9572900.00	1277558000
India	1109	Southern and Central Asia	3287263.00	1013662000
United States	3813	North America	9363520.00	278357000
Indonesia	939	Southeast Asia	1904569.00	212107000
Brazil	211	South America	8547403.00	170115000
Pakistan	2831	Southern and Central Asia	796095.00	156483000
Russian Federation	3580	Eastern Europe	17075400.00	146934000
Bangladesh	150	Southern and Central Asia	143998.00	129155000
Japan	1532	Eastern Asia	377829.00	126714000
Nigeria	2754	Western Africa	923768.00	111506000
Mexico	2515	Central America	1958201.00	98881000
Germany	3068	Western Europe	357022.00	82164700
Vietnam	3770	Southeast Asia	331689.00	79832000
Philippines	766	Southeast Asia	300000.00	75967000
Egypt	608	Northern Africa	1001449.00	68470000
Iran	1380	Southern and Central Asia	1648195.00	67702000
Turkey	3358	Middle East	774815.00	66591000
Ethiopia	756	Eastern Africa	1104300.00	62565000
Thailand	3320	Southeast Asia	513115.00	61399000
United Kingdom	456	British Islands	242900.00	59623400
France	2974	Western Europe	551500.00	59225700
Italy	1464	Southern Europe	301316.00	57680000
Congo, The Democratic Republic of the	2298	Central Africa	2344858.00	51654000
Ukraine	3426	Eastern Europe	603700.00	50456000
South Korea	2331	Eastern Asia	99434.00	46844000
Myanmar	2710	Southeast Asia	676578.00	45611000
Colombia	2257	South America	1138914.00	42321000

```
MariaDB [(none)]> SELECT Name, Capital, Region, SurfaceArea AS "Surface Area", Population FROM world.country WHERE Population > 50000000 ORDER BY Population DESC;
```

Name	Capital	Region	Surface Area	Population
China	1891	Eastern Asia	9572900.00	1277558000
India	1109	Southern and Central Asia	3287263.00	1013662000
United States	3813	North America	9363520.00	278357000
Indonesia	939	Southeast Asia	1904569.00	212107000
Brazil	211	South America	8547403.00	170115000
Pakistan	2831	Southern and Central Asia	796095.00	156483000
Russian Federation	3580	Eastern Europe	17075400.00	146934000
Bangladesh	150	Southern and Central Asia	143998.00	129155000
Japan	1532	Eastern Asia	377829.00	126714000
Nigeria	2754	Western Africa	923768.00	111506000
Mexico	2515	Central America	1958201.00	98881000
Germany	3068	Western Europe	357022.00	82164700
Vietnam	3770	Southeast Asia	331689.00	79832000
Philippines	766	Southeast Asia	300000.00	75967000
Egypt	608	Northern Africa	1001449.00	68470000
Iran	1380	Southern and Central Asia	1648195.00	67702000
Turkey	3358	Middle East	774815.00	66591000
Ethiopia	756	Eastern Africa	1104300.00	62565000
Thailand	3320	Southeast Asia	513115.00	61399000
United Kingdom	456	British Islands	242900.00	59623400
France	2974	Western Europe	551500.00	59225700
Italy	1464	Southern Europe	301316.00	57680000
Congo, The Democratic Republic of the	2298	Central Africa	2344858.00	51654000
Ukraine	3426	Eastern Europe	603700.00	50456000

```
MariaDB [(none)]> SELECT Name, Capital, Region, SurfaceArea AS "Surface Area", Population FROM world.country WHERE Population > 50000000 AND Population < 100000000 ORDER BY Population DESC;
```

Name	Capital	Region	Surface Area	Population
Mexico	2515	Central America	1958201.00	98881000
Germany	3068	Western Europe	357022.00	82164700
Vietnam	3770	Southeast Asia	331689.00	79832000
Philippines	766	Southeast Asia	300000.00	75967000
Egypt	608	Northern Africa	1001449.00	68470000
Iran	1380	Southern and Central Asia	1648195.00	67702000
Turkey	3358	Middle East	774815.00	66591000
Ethiopia	756	Eastern Africa	1104300.00	62565000
Thailand	3320	Southeast Asia	513115.00	61399000
United Kingdom	456	British Islands	242900.00	59623400
France	2974	Western Europe	551500.00	59225700
Italy	1464	Southern Europe	301316.00	57680000
Congo, The Democratic Republic of the	2298	Central Africa	2344858.00	51654000
Ukraine	3426	Eastern Europe	603700.00	50456000

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