
STRUCTURED QUERY LANGUAGE (SQL)

The Structured Query Language (SQL) is mostly used for relational database management.

A database is a collection of tables. The term “relational” connotes “table”.


A Table is a set of rows and columns containing data.

A DBMS (Database Management System) is the software (like MySQL, SQL Server, Oracle, etc) that manages and runs a database.

The following is an example of a table containing three rows and four columns:


	<i>column1</i>	<i>column2</i>	<i>column3</i>	<i>column4</i>
<i>row1</i>				
<i>row2</i>				
<i>row3</i>				

For example, the following refers to column2:



	<i>column1</i>	<i>column2</i>	<i>column3</i>	<i>column4</i>
<i>row1</i>				
<i>row2</i>				
<i>row3</i>				

For example, the following refers to row2



	<i>column1</i>	<i>column2</i>	<i>column3</i>	<i>column4</i>
<i>row1</i>				
<i>row2</i>				
<i>row3</i>				

EXAMPLES: THE WORLD DATABASE

git clone <https://github.com/OluwaseunDada/teaching.git>

The scripts should be run in the following sequence:

1. Copy, paste and run the **create_world_database** script to create world database

```
2
3 • CREATE DATABASE IF NOT EXISTS world;
4 • USE world;
5 • SET AUTOCOMMIT=0;
```

Output

#	Time	Action
✓ 1	10:05:58	CREATE DATABASE IF NOT EXISTS world
✓ 2	10:05:58	USE world
✓ 3	10:05:58	SET AUTOCOMMIT=0

2. Copy, paste and run the **create_country_table** script to create country table

```
2 -- Table structure for table 'Country'
3
4 • CREATE TABLE IF NOT EXISTS 'Country' (
5   'Code' char(3) NOT NULL DEFAULT '',
6   'Name' char(52) NOT NULL DEFAULT '',
7   'Continent' enum('Asia','Europe','North America','Africa','Oceania','Antarctica','South America') NOT NULL DEFAULT 'Asia',
8   'Region' char(26) NOT NULL DEFAULT '',
9   'SurfaceArea' float(10,2) NOT NULL DEFAULT '0.00',
10  'IndepYear' smallint(6) DEFAULT NULL,
11  'Population' int(11) NOT NULL DEFAULT '0',
12  'LifeExpectancy' float(3,1) DEFAULT NULL,
13  'GNP' float(10,2) DEFAULT NULL,
14  'GNPOLD' float(10,2) DEFAULT NULL,
15  'LocalName' char(45) NOT NULL DEFAULT '',
16  'GovernmentForm' char(45) NOT NULL DEFAULT '',
17  'HeadOfState' char(60) DEFAULT NULL,
18  'Capital' int(11) DEFAULT NULL,
19  'Code2' char(2) NOT NULL DEFAULT '',
20  PRIMARY KEY ('Code')
21 ) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

Output

#	Time	Action	Message
✓ 1	10:05:58	CREATE DATABASE IF NOT EXISTS world	1 row(s) affected
✓ 2	10:05:58	USE world	0 row(s) affected
✓ 3	10:05:58	SET AUTOCOMMIT=0	0 row(s) affected
✓ 4	10:08:41	CREATE TABLE IF NOT EXISTS 'Country' ('Code' char(3) NOT NULL DEFAULT '', 'Name' char(52) NOT NULL DEFAULT '', 'Continent' enum('Asia','Europe','North America','Africa','Oceania','Antarctica','South America') NOT NULL DEFAULT 'Asia', 'Region' char(26) NOT NULL DEFAULT '', 'SurfaceArea' float(10,2) NOT NULL DEFAULT '0.00', 'IndepYear' smallint(6) DEFAULT NULL, 'Population' int(11) NOT NULL DEFAULT '0', 'LifeExpectancy' float(3,1) DEFAULT NULL, 'GNP' float(10,2) DEFAULT NULL, 'GNPOLD' float(10,2) DEFAULT NULL, 'LocalName' char(45) NOT NULL DEFAULT '', 'GovernmentForm' char(45) NOT NULL DEFAULT '', 'HeadOfState' char(60) DEFAULT NULL, 'Capital' int(11) DEFAULT NULL, 'Code2' char(2) NOT NULL DEFAULT '', PRIMARY KEY ('Code')) ENGINE=InnoDB DEFAULT CHARSET=latin1;	0 row(s) affected

3. Copy, paste and run the **create_city_table** script to create city table

```
2 -- Table structure for table 'City'
3 • CREATE TABLE IF NOT EXISTS 'City' (
4   'ID' int(11) NOT NULL AUTO_INCREMENT,
5   'Name' char(35) NOT NULL DEFAULT '',
6   'CountryCode' char(3) NOT NULL DEFAULT '',
7   'District' char(20) NOT NULL DEFAULT '',
8   'Population' int(11) NOT NULL DEFAULT '0',
9   PRIMARY KEY ('ID'),
10  KEY 'CountryCode' ('CountryCode'),
11  CONSTRAINT 'city_ibfk_1' FOREIGN KEY ('CountryCode') REFERENCES 'Country' ('Code')
12 ) ENGINE=InnoDB AUTO_INCREMENT=4080 DEFAULT CHARSET=latin1;
```

Output

#	Time	Action	Message
✓ 1	10:05:58	CREATE DATABASE IF NOT EXISTS world	1 row(s) affected
✓ 2	10:05:58	USE world	0 row(s) affected
✓ 3	10:05:58	SET AUTOCOMMIT=0	0 row(s) affected
✓ 4	10:08:41	CREATE TABLE IF NOT EXISTS 'Country' ('Code' char(3) NOT NULL DEFAULT '', 'Name' char(52) NOT NULL DEFAULT '', 'Continent' enum('Asia','Europe','North America','Africa','Oceania','Antarctica','South America') NOT NULL DEFAULT 'Asia', 'Region' char(26) NOT NULL DEFAULT '', 'SurfaceArea' float(10,2) NOT NULL DEFAULT '0.00', 'IndepYear' smallint(6) DEFAULT NULL, 'Population' int(11) NOT NULL DEFAULT '0', 'LifeExpectancy' float(3,1) DEFAULT NULL, 'GNP' float(10,2) DEFAULT NULL, 'GNPOLD' float(10,2) DEFAULT NULL, 'LocalName' char(45) NOT NULL DEFAULT '', 'GovernmentForm' char(45) NOT NULL DEFAULT '', 'HeadOfState' char(60) DEFAULT NULL, 'Capital' int(11) DEFAULT NULL, 'Code2' char(2) NOT NULL DEFAULT '', PRIMARY KEY ('Code')) ENGINE=InnoDB DEFAULT CHARSET=latin1;	0 row(s) affected
✓ 5	10:12:56	CREATE TABLE IF NOT EXISTS 'City' ('ID' int(11) NOT NULL AUTO_INCREMENT, 'Name' char(35) NOT NULL DEFAULT '', 'CountryCode' char(3) NOT NULL DEFAULT '', 'District' char(20) NOT NULL DEFAULT '', 'Population' int(11) NOT NULL DEFAULT '0', PRIMARY KEY ('ID'), KEY 'CountryCode' ('CountryCode'), CONSTRAINT 'city_ibfk_1' FOREIGN KEY ('CountryCode') REFERENCES 'Country' ('Code')) ENGINE=InnoDB AUTO_INCREMENT=4080 DEFAULT CHARSET=latin1;	0 row(s) affected

4. Copy, paste and run the **create_countrylanguage_table** script to create country-language table

```
2 • CREATE TABLE IF NOT EXISTS `CountryLanguage` (  
3     `CountryCode` char(3) NOT NULL DEFAULT '',  
4     `Language` char(30) NOT NULL DEFAULT '',  
5     `IsOfficial` enum('I','F') NOT NULL DEFAULT 'F',  
6     `Percentage` float(4,1) NOT NULL DEFAULT '0.0',  
7     PRIMARY KEY (`CountryCode`,`Language`),  
8     KEY `CountryCode` (`CountryCode`),  
9     CONSTRAINT `countryLanguage_ibfk_1` FOREIGN KEY (`CountryCode`) REFERENCES `Country` (`Code`)  
10 ) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

Output				
Action Output				
	#	Time	Action	Message
✓	1	10:05:58	CREATE DATABASE IF NOT EXISTS world	1 row(s) affected
✓	2	10:05:58	USE world	0 row(s) affected
✓	3	10:05:58	SET AUTOCOMMIT=0	0 row(s) affected
✓	4	10:08:41	CREATE TABLE IF NOT EXISTS 'Country' ('Code' char(3) NOT NULL DEFAULT '', 'Name' char(52) NOT NULL DEFAULT '', 'Continent' enum('Asia','Europe','North America','Africa','Oceania','Antarctica','South America') NOT NULL DEFAULT 'Asia', 'Area' float(10) NOT NULL DEFAULT '0', 'Population' int(11) NOT NULL DEFAULT '0', 'GDP' float(15) NOT NULL DEFAULT '0', 'HeadOfState' char(60) NOT NULL DEFAULT '')	0 row(s) affected
✓	5	10:12:56	CREATE TABLE IF NOT EXISTS 'City' ('id' int(11) NOT NULL AUTO_INCREMENT, 'Name' char(35) NOT NULL DEFAULT '', 'CountryCode' char(3) NOT NULL DEFAULT '', 'District' char(20) NOT NULL DEFAULT '', 'Population' int(11) NOT NULL DEFAULT '0')	0 row(s) affected
✓	6	10:16:10	CREATE TABLE IF NOT EXISTS 'CountryLanguage' ('CountryCode' char(3) NOT NULL DEFAULT '', 'Language' char(30) NOT NULL DEFAULT '', 'IsOfficial' enum('T','F') NOT NULL DEFAULT 'F', 'Percentage' float(4) NOT NULL DEFAULT '0')	0 row(s) affected

5. Copy, paste and run **populate_country_table** script

```

4 -- Dumping data for table 'Country'
5 --
6 -- ORDER BY: 'Code'
7
8 INSERT INTO "Country" VALUES ('ABW','Aruba','North America','Caribbean',193.00,NULL,103000,78.4,0.028,00,793.00,'Aruba','Nonmetropolitan Territory of The Netherlands','Beatrix',128,'AW');
9
10 INSERT INTO "Country" VALUES ('AFG','Afghanistan','Asia','Southern and Central Asia',652090.00,1919,22720000,45,9.5976,00,NULL,'Afghanistan/Afghanstan','Islamic Emirate','Mohammad Omar',1,'AF');
11
12 INSERT INTO "Country" VALUES ('AGO','Angola','Africa','Central Africa',1246700.00,1975,12870000,38,3.6648,00,7984.00,'Angola','Republic','José Eduardo dos Santos',56,'AO');
13
14 INSERT INTO "Country" VALUES ('AIA','Anguilla','North America','Caribbean',96.00,NULL,8000,76.1,63.20,NULL,'Anguilla','Dependent Territory of the UK','Elisabeth II',62,'AI');
15
16 INSERT INTO "Country" VALUES ('ALB','Albania','Europe','Southern Europe',28748.00,1912,3401200,71.6,3205.00,2500.00,'Shqipëria','Republic','Rexhep Mejdani',34,'AL');
17
18 INSERT INTO "Country" VALUES ('AND','Andorra','Europe','Southern Europe',468.00,1278,78000,83.5,1630.00,NULL,'Andorra','Parliamentary Coprinpalty','',55,'AD');
19
20 INSERT INTO "Country" VALUES ('ANT','Netherlands Antilles','North America','Caribbean',808.00,NULL,217000,74.7,1941.00,NULL,'Nederlandse Antillen','Nonmetropolitan Territory of The Netherlands','Beatrix',33,'AW');
21
22 INSERT INTO "Country" VALUES ('ARE','United Arab Emirates','Asia','Middle East',83600.00,1971,2441000,74.1,37966.00,36846.00,'Al-Imarat al-'Arabiya al-Muttahida','Emirate Federation','Zayid bin Sultan al-Nahayyan',65,'AE');
23
24 INSERT INTO "Country" VALUES ('ARG','Argentina','South America','South America',2780400.00,1816,37032000,75.1,340238.00,323310.00,'Argentina','Federal Republic','Fernando de la Rúa',69,'AR');
25
26 INSERT INTO "Country" VALUES ('ARM','Armenia','Asia','Middle East',29800.00,1991,3520000,66.4,1813.00,1627.00,'Hajastan','Republic','Robert Kotarjan',126,'AM');
27
28 INSERT INTO "Country" VALUES ('ASM','American Samoa','Oceania','Polynesia',199.00,NULL,68000,75.1,334.00,NULL,'Amerika Samoa','US Territory','George W. Bush',54,'AS');
29
30 INSERT INTO "Country" VALUES ('ATA','Antarctica','Antarctica','Antarctica',131120000.00,NULL,0,NULL,0.00,NULL,'-', 'Co-administrated','',NULL,'AQ');

```

Output

Action Output		Message
#	Time Action	
212	10:24:37 INSERT INTO 'Country' VALUES ('TCD','Chad','Africa','Central Africa','1284000.0,1960.7651000,50.5,1208.0,1102.0','Tchad/Tahad','Republic','Idris Déby','3337.TD')	1 row(s) affected
213	10:24:37 INSERT INTO 'Country' VALUES ('TGO','Togo','Africa','Western Africa','56785.0,1960.4629000,54.7,1449.0,1400.0','Togo','Republic','Gnassingbé Eyadéma','3332.TG')	1 row(s) affected
214	10:24:37 INSERT INTO 'Country' VALUES ('THA','Thailand','Asia','Southeast Asia','513115.0,1350.6139900,68.6,116416.0,153907.0','Prathet Thai','Constitutional Monarchy','Bhumibol Adulyadej','3320.TH')	1 row(s) affected
215	10:24:37 INSERT INTO 'Country' VALUES ('TKM','Turkmenistan','Asia','Southern and Central Asia','143100.0,1991.6188000,64.1,1990.0,1056.0','Togkistan','Republic','Enomal Rahmonov','3261.TJ')	1 row(s) affected
216	10:24:37 INSERT INTO 'Country' VALUES ('TKL','Tokelau','Oceania','Polynesia','12.00,1000.2000,0.0,0.0,0.0','NulL','NulL','Tokelau','Nonmetropolitan Territory of New Zealand','Elisabeth II','3333.TK')	1 row(s) affected
217	10:24:37 INSERT INTO 'Country' VALUES ('TKM','Turkmenistan','Asia','Southern and Central Asia','481100.0,1991.4459000,60.9,4937.0,2000.0','Turkmenistan','Republic','Saparmurat Niyazov','3419.TM')	1 row(s) affected
218	10:24:37 INSERT INTO 'Country' VALUES ('TMP','East Timor','Asia','Southeast Asia','14874.0,1988.85000,46.0,0.0,0.0','NulL','Timor Timur','Administered by the UN','José Alexandre Gualberto','1522.TP')	1 row(s) affected
219	10:24:37 INSERT INTO 'Country' VALUES ('TON','Tonga','Oceania','Polynesia','650.0,1970.9000,67.3,146.0,170.0','Tonga','Monarchy','Taufa'ahua Tupou IV','3334.TO')	1 row(s) affected
220	10:24:37 INSERT INTO 'Country' VALUES ('TTO','Trinidad and Tobago','North America','Caribbean','5130.0,1962.1295000,68.6,6232.0,5867.0','Trinidad and Tobago','Republic','Athur N. R. Robinson','3336.TT')	1 row(s) affected
221	10:24:37 INSERT INTO 'Country' VALUES ('TUN','Tunisia','Africa','Northern Africa','163610.0,1956.9556000,73.7,20026.0,18898.0','Tunis/Tunisie','Republic','Zine al-Abidine Ben Ali','3343.TN')	1 row(s) affected
222	10:24:37 INSERT INTO 'Country' VALUES ('TUR','Turkey','Asia','Middle East','774815.0,1923.6659000,71.0,210721.0,189122.0','Turkiye','Republic','Ahmet Necdet Sezer','3358.TR')	1 row(s) affected
223	10:24:37 INSERT INTO 'Country' VALUES ('TUW','Tuvalu','Oceania','Polynesia','26.0,1978.1200,6.6,0.0,0.0','NulL','NulL','Tuvalu','Constitutional Monarchy','Elisabeth II','3424.TU')	1 row(s) affected
224	10:24:37 INSERT INTO 'Country' VALUES ('TWN','Taiwan','Asia','Eastern Asia','36188.0,1945.2226000,76.4,256254.0,263451.0','T'ai-wan','Republic','Chen Shui-bian','3263.TW')	1 row(s) affected
225	10:24:37 INSERT INTO 'Country' VALUES ('TZA','Tanzania','Africa','Eastern Africa','883749.0,1961.3351700,52.3,8005.0,7388.0','Tanzania','Republic','Benjamin William Mkapa','3306.TZ')	1 row(s) affected
226	10:24:37 INSERT INTO 'Country' VALUES ('UGA','Uganda','Africa','Eastern Africa','241038.0,1962.2178000,42.9,6313.0,6887.0','Uganda','Republic','Yoweri Museveni','3425.UG')	1 row(s) affected
227	10:24:37 INSERT INTO 'Country' VALUES ('UKR','Ukraine','Europe','Eastern Europe','603700.0,1991.5045600,66.0,42168.0,49677.0','Ukraine','Republic','Leonid Kutšma','3426.UA')	1 row(s) affected
228	10:24:37 INSERT INTO 'Country' VALUES ('UMI','United States Minor Outlying Islands','Oceania','Monrosia Caribbean','16.00,0.0,0.0,0.0,0.0','NulL','NulL','United States Minor Outlying Islands','Dependent Territory of the US','George...')	1 row(s) affected
229	10:24:37 INSERT INTO 'Country' VALUES ('URY','Uruguay','South America','South America','175016.0,1828.3337000,75.2,20831.0,19967.0','Uruguay','Republic','Jorge Batlle Basterri','3492.UY')	1 row(s) affected
230	10:24:37 INSERT INTO 'Country' VALUES ('USA','United States','North America','North America','936320.0,1776.27637000,77.1,1851070.0,8110900.0','United States','Federal Republic','George W. Bush','3813.US')	1 row(s) affected
231	10:24:37 INSERT INTO 'Country' VALUES ('UZB','Uzbekistan','Asia','Southern and Central Asia','447400.0,1991.24318000,63.7,14194.0,21300.0','Uzbekiston','Republic','Islam Karimov','3503.UZ')	1 row(s) affected
232	10:24:37 INSERT INTO 'Country' VALUES ('VAT','Holy See (Vatican City State)','Europe','Southern Europe','0.40,1929.1000,0.0,0.0,0.0','NulL','Santa Sede/Città del Vaticano','Independent Church State','Johannes Paavali II','3538...')	1 row(s) affected
233	10:24:37 INSERT INTO 'Country' VALUES ('VCT','Saint Vincent and the Grenadines','North America','Caribbean','388.0,1973.114000,72.3,2255.0,0.0','NulL','Saint Vincent and the Grenadines','Constitutional Monarchy','Elisabeth II','30...')	1 row(s) affected
234	10:24:37 INSERT INTO 'Country' VALUES ('VEN','Venezuela','South America','South America','912050.0,1611.2417000,73.1,95023.0,88434.0','Venezuela','Federal Republic','Hugo Chávez Frías','3539.VE')	1 row(s) affected
235	10:24:37 INSERT INTO 'Country' VALUES ('VGB','Virgin Islands, British','North America','Caribbean','151.0,0.0,0.0,0.0,0.0','NulL','21000.75,4.612,0.0,573.0','British Virgin Islands','Dependent Territory of the UK','Elisabeth II','537.VG')	1 row(s) affected
236	10:24:37 INSERT INTO 'Country' VALUES ('VIR','Virgin Islands, U.S.','North America','Caribbean','347.0,0.0,0.0,0.0,0.0','NulL','VIRgin Islands of the United States','US Territory','George W. Bush','4067.VI')	1 row(s) affected
237	10:24:37 INSERT INTO 'Country' VALUES ('VNM','Vietnam','Asia','Southeast Asia','331669.0,1945.7982000,69.3,21929.0,22834.0','Viêt Nam','Socialistic Republic','Trin Duc Luong','3770.VN')	1 row(s) affected
238	10:24:37 INSERT INTO 'Country' VALUES ('VNU','Vanuatu','Oceania','Melanesia','12189.0,1980.19000,60.6,261.0,246.0','Vanuatu','Republic','John Bani','3537.VU')	1 row(s) affected
239	10:24:37 INSERT INTO 'Country' VALUES ('WLF','Walls and Futuna','Oceania','Polynesia','200.0,0.0,0.0,0.0,0.0','NulL','Walls-et-Futuna','Nonmetropolitan Territory of France','Jacques Chirac','3536.WF')	1 row(s) affected
240	10:24:37 INSERT INTO 'Country' VALUES ('WSM','Samoa','Oceania','Polynesia','2831.0,1962.180000,69.2,2141.0,157.0','Samoa','Palimentaryary Monarchy','Malietoa Tanumafili II','3163.WS')	1 row(s) affected
241	10:24:37 INSERT INTO 'Country' VALUES ('YEM','Yemen','Asia','Middle East','527968.0,1918.18112000,59.8,6041.0,5729.0','Al-Yaman','Republic','Ali Abdullah Salhi','1780.YE')	1 row(s) affected
242	10:24:37 INSERT INTO 'Country' VALUES ('YUG','Yugoslavia','Europe','Southern Europe','102173.0,1918.1064000,72.4,17000.0,0.0','NulL','Jugoslavija','Federal Republic','Vojislav Koštinica','1792.YU')	1 row(s) affected
243	10:24:37 INSERT INTO 'Country' VALUES ('ZAF','South Africa','Africa','Southern Africa','1221073.0,1910.40377000,51.1,116729.0,129092.0','South Africa','Republic','Thabo Mbeki','716.ZA')	1 row(s) affected
244	10:24:37 INSERT INTO 'Country' VALUES ('ZMB','Zambia','Africa','Eastern Africa','752618.0,1964.9169000,27.3,2377.0,3922.0','Zambia','Republic','Frederick Chiluba','3162.ZM')	1 row(s) affected
245	10:24:37 INSERT INTO 'Country' VALUES ('ZWE','Zimbabwe','Africa','Eastern Africa','390750.0,1980.11669000,37.5,9591.0,8670.0','Zimbabwe','Republic','Robert G. Mugabe','4068.ZW')	1 row(s) affected
246	10:24:37 COMMIT	0 row(s) affected

6. Copy, paste and run **populate_city_table** script

```
1 • INSERT INTO `City` VALUES (1,'Kabul','AFG','Kabol',1780000);
2 • INSERT INTO `City` VALUES (2,'Qandahar','AFG','Qandahar',237500);
3 • INSERT INTO `City` VALUES (3,'Herat','AFG','Herat',186800);
4 • INSERT INTO `City` VALUES (4,'Mazar-e-Sharif','AFG','Balkh',127800);
5 • INSERT INTO `City` VALUES (5,'Amsterdam','NLD','Noord-Holland',731200);
6 • INSERT INTO `City` VALUES (6,'Rotterdam','NLD','Zuid-Holland',593321);
7 • INSERT INTO `City` VALUES (7,'Haag','NLD','Zuid-Holland',440900);
8 • INSERT INTO `City` VALUES (8,'Utrecht','NLD','Utrecht',234323);
9 • INSERT INTO `City` VALUES (9,'Eindhoven','NLD','Noord-Brabant',201843);
10 • INSERT INTO `City` VALUES (10,'Tilburg','NLD','Noord-Brabant',193230);
11 • INSERT INTO `City` VALUES (11,'Groningen','NLD','Groningen',172701);
12 • INSERT INTO `City` VALUES (12,'Breda','NLD','Noord-Brabant',160398);
13 • INSERT INTO `City` VALUES (13,'Apeldoorn','NLD','Gelderland',153491);
14 • INSERT INTO `City` VALUES (14,'Nijmegen','NLD','Gelderland',152463);
15 • INSERT INTO `City` VALUES (15,'Enschede','NLD','Overijssel',149544);
16 • INSERT INTO `City` VALUES (16,'Haarlem','NLD','Noord-Holland',148772);
17 • INSERT INTO `City` VALUES (17,'Almere','NLD','Flevoland',142465);
18 • INSERT INTO `City` VALUES (18,'Arnhem','NLD','Gelderland',138020);
19 • INSERT INTO `City` VALUES (19,'Amsterdam','NLD','Noord-Holland',137200);
```

Output

Action Output					
#	Time	Action		Message	
✓ 4046	10:42:18	INSERT INTO `City` VALUES (4046,'Noman','USA','Oklahoma',94193)		1 row(s) affected	
✓ 4047	10:42:18	INSERT INTO `City` VALUES (4047,'Richmond','USA','California',94100)		1 row(s) affected	
✓ 4048	10:42:18	INSERT INTO `City` VALUES (4048,'Albany','USA','New York',93994)		1 row(s) affected	
✓ 4049	10:42:18	INSERT INTO `City` VALUES (4049,'Brookton','USA','Massachusetts',93653)		1 row(s) affected	
✓ 4050	10:42:18	INSERT INTO `City` VALUES (4050,'Roanoke','USA','Virginia',93357)		1 row(s) affected	
✓ 4051	10:42:18	INSERT INTO `City` VALUES (4051,'Billings','USA','Montana',92988)		1 row(s) affected	
✓ 4052	10:42:18	INSERT INTO `City` VALUES (4052,'Compton','USA','California',92864)		1 row(s) affected	
✓ 4053	10:42:18	INSERT INTO `City` VALUES (4053,'Gainesville','USA','Florida',92291)		1 row(s) affected	
✓ 4054	10:42:18	INSERT INTO `City` VALUES (4054,'Fairfield','USA','California',92256)		1 row(s) affected	
✓ 4055	10:42:18	INSERT INTO `City` VALUES (4055,'Arden-Arcade','USA','California',92040)		1 row(s) affected	
✓ 4056	10:42:18	INSERT INTO `City` VALUES (4056,'San Mateo','USA','California',91799)		1 row(s) affected	
✓ 4057	10:42:18	INSERT INTO `City` VALUES (4057,'Visalia','USA','California',91762)		1 row(s) affected	
✓ 4058	10:42:18	INSERT INTO `City` VALUES (4058,'Boulder','USA','Colorado',91238)		1 row(s) affected	
✓ 4059	10:42:18	INSERT INTO `City` VALUES (4059,'Cary','USA','North Carolina',91213)		1 row(s) affected	
✓ 4060	10:42:18	INSERT INTO `City` VALUES (4060,'Santa Monica','USA','California',91084)		1 row(s) affected	
✓ 4061	10:42:18	INSERT INTO `City` VALUES (4061,'Fall River','USA','Massachusetts',90555)		1 row(s) affected	
✓ 4062	10:42:18	INSERT INTO `City` VALUES (4062,'Kenosha','USA','Wisconsin',89447)		1 row(s) affected	
✓ 4063	10:42:18	INSERT INTO `City` VALUES (4063,'Elgin','USA','Illinois',89408)		1 row(s) affected	
✓ 4064	10:42:18	INSERT INTO `City` VALUES (4064,'Odessa','USA','Texas',89293)		1 row(s) affected	
✓ 4065	10:42:18	INSERT INTO `City` VALUES (4065,'Carson','USA','California',89089)		1 row(s) affected	
✓ 4066	10:42:18	INSERT INTO `City` VALUES (4066,'Charleston','USA','South Carolina',89063)		1 row(s) affected	
✓ 4067	10:42:18	INSERT INTO `City` VALUES (4067,'Charlotte Amalie','VIR','St Thomas',13000)		1 row(s) affected	
✓ 4068	10:42:18	INSERT INTO `City` VALUES (4068,'Harare','ZWE','Harare',1410000)		1 row(s) affected	
✓ 4069	10:42:18	INSERT INTO `City` VALUES (4069,'Bulawayo','ZWE','Bulawayo',621742)		1 row(s) affected	
✓ 4070	10:42:18	INSERT INTO `City` VALUES (4070,'Chitungwiza','ZWE','Harare',274912)		1 row(s) affected	
✓ 4071	10:42:18	INSERT INTO `City` VALUES (4071,'Mount Darwin','ZWE','Harare',164362)		1 row(s) affected	
✓ 4072	10:42:18	INSERT INTO `City` VALUES (4072,'Mutare','ZWE','Manicaland',131367)		1 row(s) affected	
✓ 4073	10:42:18	INSERT INTO `City` VALUES (4073,'Gweru','ZWE','Midlands',128037)		1 row(s) affected	
✓ 4074	10:42:18	INSERT INTO `City` VALUES (4074,'Gaza','PSE','Gaza',353632)		1 row(s) affected	
✓ 4075	10:42:18	INSERT INTO `City` VALUES (4075,'Khan Yunis','PSE','Khan Yunis',123175)		1 row(s) affected	
✓ 4076	10:42:18	INSERT INTO `City` VALUES (4076,'Hebron','PSE','Hebron',119401)		1 row(s) affected	
✓ 4077	10:42:18	INSERT INTO `City` VALUES (4077,'Jabalya','PSE','North Gaza',113901)		1 row(s) affected	
✓ 4078	10:42:18	INSERT INTO `City` VALUES (4078,'Nablus','PSE','Nablus',100231)		1 row(s) affected	
✓ 4079	10:42:18	INSERT INTO `City` VALUES (4079,'Rafah','PSE','Rafah',92020)		1 row(s) affected	
✓ 4080	10:42:18	COMMIT		0 row(s) affected	

7. Copy, paste and run **populate_countrylanguage_table** script

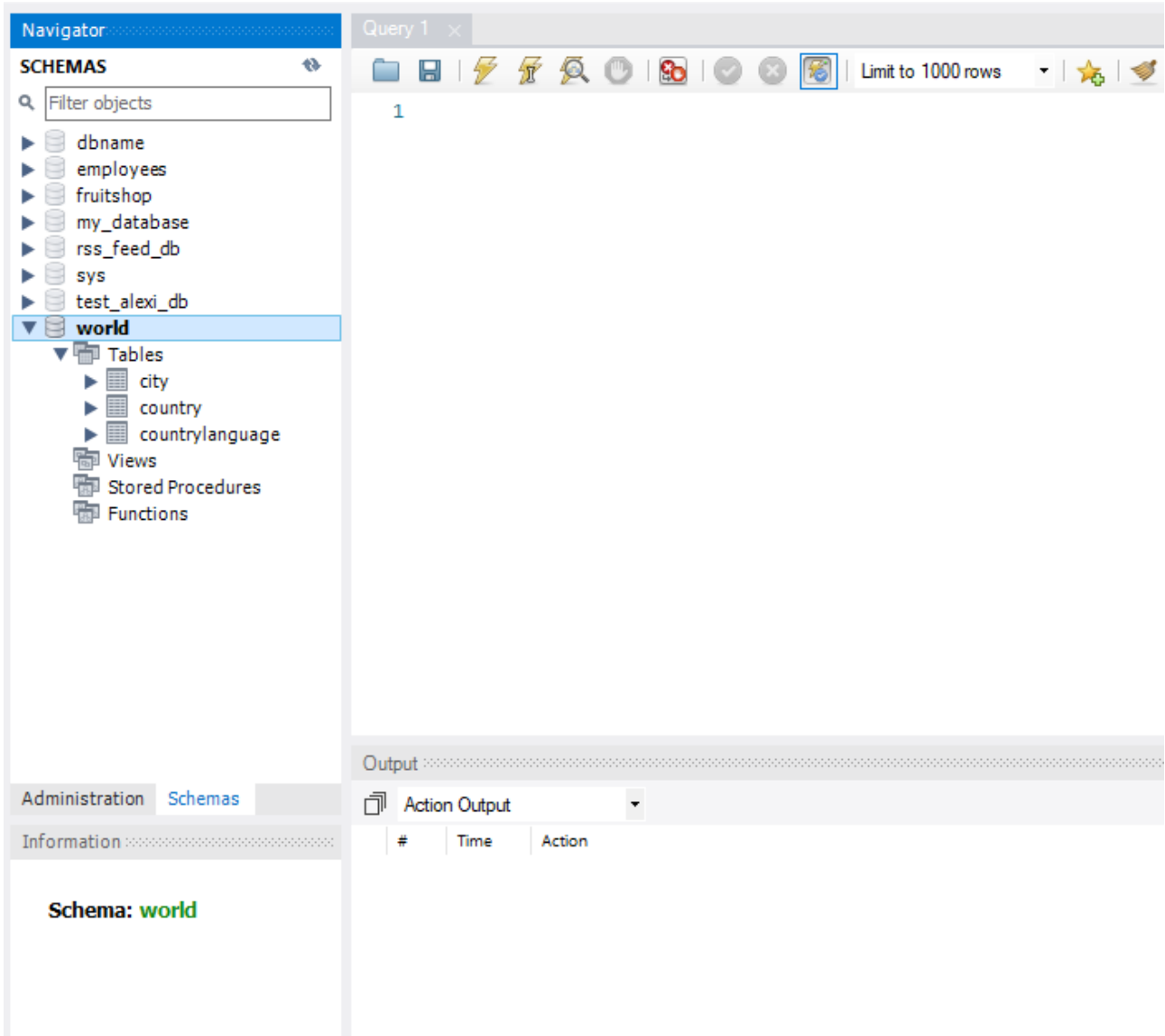
```

3  -- Dumping data for table `CountryLanguage`
4  --
5  -- ORDER BY: `CountryCode`,`Language`
6
7  INSERT INTO `CountryLanguage` VALUES ('ABW','Dutch','T',5.3);
8  INSERT INTO `CountryLanguage` VALUES ('ABW','English','F',9.5);
9  INSERT INTO `CountryLanguage` VALUES ('ABW','Papiamentu','F',76.7);
10 INSERT INTO `CountryLanguage` VALUES ('ABW','Spanish','F',7.4);
11 INSERT INTO `CountryLanguage` VALUES ('AFG','Balochi','F',0.9);
12 INSERT INTO `CountryLanguage` VALUES ('AFG','Dari','T',32.1);
13 INSERT INTO `CountryLanguage` VALUES ('AFG','Pashto','T',52.4);
14 INSERT INTO `CountryLanguage` VALUES ('AFG','Turkmenian','F',1.9);
15 INSERT INTO `CountryLanguage` VALUES ('AFG','Uzbek','F',8.8);
16 INSERT INTO `CountryLanguage` VALUES ('AGO','Ambo','F',2.4);
17 INSERT INTO `CountryLanguage` VALUES ('AGO','Chokwe','F',4.2);
18 INSERT INTO `CountryLanguage` VALUES ('AGO','Kongo','F',13.2);
19 INSERT INTO `CountryLanguage` VALUES ('AGO','Ndebele','F',0.0);

```

Output			
Action Output			
#	Time	Action	Message
952	10:46:24	INSERT INTO `CountryLanguage` VALUES ('WLF','Walla','F',0.0)	1 row(s) affected
953	10:46:24	INSERT INTO `CountryLanguage` VALUES ('WSM','English','T',0.6)	1 row(s) affected
954	10:46:24	INSERT INTO `CountryLanguage` VALUES ('WSM','Samoan','T',47.5)	1 row(s) affected
955	10:46:24	INSERT INTO `CountryLanguage` VALUES ('WSM','Samoan-English','F',52.0)	1 row(s) affected
956	10:46:24	INSERT INTO `CountryLanguage` VALUES ('YEM','Arabic','T',99.6)	1 row(s) affected
957	10:46:24	INSERT INTO `CountryLanguage` VALUES ('YEM','Soqutri','F',0.0)	1 row(s) affected
958	10:46:24	INSERT INTO `CountryLanguage` VALUES ('YUG','Albanian','F',16.5)	1 row(s) affected
959	10:46:24	INSERT INTO `CountryLanguage` VALUES ('YUG','Hungarian','F',3.4)	1 row(s) affected
960	10:46:24	INSERT INTO `CountryLanguage` VALUES ('YUG','Macedonian','F',0.5)	1 row(s) affected
961	10:46:24	INSERT INTO `CountryLanguage` VALUES ('YUG','Romani','F',1.4)	1 row(s) affected
962	10:46:24	INSERT INTO `CountryLanguage` VALUES ('YUG','Serbo-Croatian','T',75.2)	1 row(s) affected
963	10:46:24	INSERT INTO `CountryLanguage` VALUES ('YUG','Slovak','F',0.7)	1 row(s) affected
964	10:46:24	INSERT INTO `CountryLanguage` VALUES ('ZAF','Afrikaans','T',14.3)	1 row(s) affected
965	10:46:24	INSERT INTO `CountryLanguage` VALUES ('ZAF','English','T',8.5)	1 row(s) affected
966	10:46:24	INSERT INTO `CountryLanguage` VALUES ('ZAF','Ndebele','F',1.5)	1 row(s) affected
967	10:46:24	INSERT INTO `CountryLanguage` VALUES ('ZAF','Northsotho','F',9.1)	1 row(s) affected
968	10:46:24	INSERT INTO `CountryLanguage` VALUES ('ZAF','Southsotho','F',7.6)	1 row(s) affected
969	10:46:24	INSERT INTO `CountryLanguage` VALUES ('ZAF','Swazi','F',2.5)	1 row(s) affected
970	10:46:24	INSERT INTO `CountryLanguage` VALUES ('ZAF','Tsonga','F',4.3)	1 row(s) affected
971	10:46:24	INSERT INTO `CountryLanguage` VALUES ('ZAF','Tswana','F',8.1)	1 row(s) affected
972	10:46:24	INSERT INTO `CountryLanguage` VALUES ('ZAF','Venda','F',2.2)	1 row(s) affected
973	10:46:24	INSERT INTO `CountryLanguage` VALUES ('ZAF','Xhosa','T',17.7)	1 row(s) affected
974	10:46:24	INSERT INTO `CountryLanguage` VALUES ('ZAF','Zulu','T',22.7)	1 row(s) affected
975	10:46:24	INSERT INTO `CountryLanguage` VALUES ('ZMB','Bemba','F',29.7)	1 row(s) affected
976	10:46:24	INSERT INTO `CountryLanguage` VALUES ('ZMB','Chewa','F',5.7)	1 row(s) affected
977	10:46:24	INSERT INTO `CountryLanguage` VALUES ('ZMB','Lozi','F',6.4)	1 row(s) affected
978	10:46:24	INSERT INTO `CountryLanguage` VALUES ('ZMB','Nsenga','F',4.3)	1 row(s) affected
979	10:46:24	INSERT INTO `CountryLanguage` VALUES ('ZMB','Nyanja','F',7.8)	1 row(s) affected
980	10:46:24	INSERT INTO `CountryLanguage` VALUES ('ZMB','Tongan','F',11.0)	1 row(s) affected
981	10:46:24	INSERT INTO `CountryLanguage` VALUES ('ZWE','English','T',2.2)	1 row(s) affected
982	10:46:24	INSERT INTO `CountryLanguage` VALUES ('ZWE','Ndebele','F',16.2)	1 row(s) affected
983	10:46:24	INSERT INTO `CountryLanguage` VALUES ('ZWE','Nyanja','F',2.2)	1 row(s) affected
984	10:46:24	INSERT INTO `CountryLanguage` VALUES ('ZWE','Shona','F',72.1)	1 row(s) affected
985	10:46:24	COMMIT	0 row(s) affected
986	10:46:24	SET AUTOCOMMIT=1	0 row(s) affected

At this point, you should have the following:



8. Select all countries: **select_all_countries** scripts

PLEASE NOTE: * means ALL rows

1 • **SELECT * FROM world.country**

Code	Name	Continent	Region	SurfaceArea	IndepYear	Population	LifeExpectancy	GNP	GNPOLD	LocalName	GovernmentForm	HeadOfState	Capital	Code2
ABW	Aruba	North America	Caribbean	193.00	1981	103000	78.4	828.00	793.00	Aruba	Nonmetropolitan Territory of The Netherlands	Beatrix	129	AW
AFG	Afghanistan	Asia	Southern and Central Asia	652090.00	1919	22720000	45.9	5976.00	5976.00	Afghanistan/Afghanistan	Islamic Emirate	Mohammad Omar	1	AF
AGO	Angola	Africa	Central Africa	1246700.00	1975	12878000	38.3	6648.00	7984.00	Angola	Republic	José Eduardo dos Santos	56	AO
AIA	Anguilla	North America	Caribbean	96.00	1981	8000	76.1	63.20	63.20	Anguilla	Dependent Territory of the UK	Elisabeth II	62	AI
ALB	Albania	Europe	Southern Europe	28748.00	1912	3401200	71.6	3205.00	2500.00	Shqipëria	Republic	Rexhep Mejdani	34	AL
AND	Andorra	Europe	Southern Europe	468.00	1278	78000	83.5	1630.00	1630.00	Andorra	Parliamentary Coprinpalcity		55	AD
ANT	Netherlands Antilles	North America	Caribbean	800.00	1954	217000	74.7	1941.00	1941.00	Nederlandse Antillen	Nonmetropolitan Territory of The Netherlands	Beatrix	33	AN
ARE	United Arab Emirates	Asia	Middle East	83600.00	1971	2441000	74.1	37966.00	36846.00	Al-Ummat al-'Arabiya al-Muttahida	Emirate Federation	Zayid bin Sultan al-Nahayyan	65	AE
ARG	Argentina	South America	South America	2780400.00	1816	37032000	75.1	340238.00	323310.00	Argentina	Federal Republic	Fernando de la Rúa	69	AR
ARM	Armenia	Asia	Middle East	29800.00	1991	3520000	66.4	1813.00	1627.00	Hagastan	Republic	Robert Kotstargan	126	AM
ASM	American Samoa	Oceania	Polynesia	199.00	1981	68000	75.1	334.00	334.00	Amerika Samoa	US Territory	George W. Bush	54	AS
ATA	Antarctica	Antarctica	Antarctica	13120000.00	1959	0	0.00	0.00	0.00	-	Co-administrated		100	AQ
ATF	French Southern ter...	Antarctica	Antarctica	7780.00	1959	0	0.00	0.00	0.00	Terres australes françaises	Nonmetropolitan Territory of France	Jacques Chirac	100	TF
ATG	Antigua and Barbuda	North America	Caribbean	442.00	1981	68000	70.5	612.00	584.00	Antigua and Barbuda	Constitutional Monarchy	Elisabeth II	63	AG
AUS	Australia	Oceania	Australia and New Zealand	7741220.00	1901	18886000	79.8	351182.00	392911.00	Australia	Constitutional Monarchy, Federation	Elisabeth II	135	AU
AUT	Austria	Europe	Western Europe	83859.00	1918	8091800	77.7	211860.00	206025.00	Österreich	Federal Republic	Thomas Kiesel	1523	AT
AZE	Azerbaijan	Asia	Middle East	86600.00	1991	7734000	62.9	4127.00	4100.00	Azərbaycan	Federal Republic	Heydar Aliyev	144	AZ
BDI	Burundi	Africa	Eastern Africa	27834.00	1962	6695000	46.2	903.00	982.00	Burundi/Uburundi	Republic	Pierre Buyoya	552	BI
BEL	Belgium	Europe	Western Europe	30518.00	1830	10239000	77.8	249704.00	243948.00	Belgie/Belgique	Constitutional Monarchy, Federation	Albert II	179	BE
BEN	Benin	Africa	Western Africa	112622.00	1960	6097000	50.2	2357.00	2141.00	Bénin	Republic	Mathieu Kérékou	187	BJ
BFA	Burkina Faso	Africa	Western Africa	274000.00	1960	11937000	46.7	2425.00	2201.00	Burkina Faso	Republic	Blaise Compaoré	549	BF
BGD	Bangladesh	Asia	Southern and Central Asia	143998.00	1971	129155000	60.2	32852.00	31966.00	Bangladesh	Republic	Shahabuddin Ahmad	150	BD
BGR	Bulgaria	Europe	Eastern Europe	110994.00	1908	8190900	70.9	12178.00	10169.00	Balgaria	Republic	Petar Stojanov	539	BG
BHR	Bahrain	Asia	Middle East	694.00	1971	617000	73.0	6366.00	6097.00	Al-Bahrayn	Monarchy (Emirate)	Hamad bin Isa al-Khalifa	149	BH
BHS	Bahamas	North America	Caribbean	13878.00	1973	307000	71.1	3527.00	3347.00	The Bahamas	Nonstitutional Monarchy	Elisabeth II	148	BS
BH	Bosnia and Herzego...	Europe	Southern Europe	51197.00	1992	3972000	71.5	2841.00	2841.00	Bosna i Hercegovina	Federal Republic	Ante Jelavic	201	BA
BLR	Belarus	Europe	Eastern Europe	207600.00	1991	10236000	68.0	13714.00	13714.00	Belarus	Republic	Aleksandr Lukashenka	3520	BY
BLZ	Belize	North America	Central America	22696.00	1981	241000	70.9	630.00	616.00	Belize	Constitutional Monarchy	Elisabeth II	185	BZ
BMU	Bermuda	North America	North America	53.00	1981	65000	76.9	2328.00	2190.00	Bermuda	Dependent Territory of the UK	Elisabeth II	191	BM
BOL	Bolivia	South America	South America	1098581.00	1825	8329000	63.7	8571.00	7967.00	Bolivia	Republic	Hugo Bánzer Suárez	194	BO
BRA	Brazil	South America	South America	8547403.00	1822	170115000	62.9	776739.00	804108.00	Brasil	Federal Republic	Fernando Henrique Cardoso	211	BR
BRB	Barbados	North America	Caribbean	430.00	1966	270000	73.0	2223.00	2186.00	Barbados	Constitutional Monarchy	Elisabeth II	174	BB
BRN	Brunei	Asia	Southeast Asia	5765.00	1984	328000	73.6	11705.00	12460.00	Brunei Darussalam	Monarchy (Sultanate)	Haji Hassan al-Bolkiah	538	BN
BVT	Bhutan	Asia	Southern and Central Asia	47000.00	1910	2124000	52.4	372.00	383.00	Druk-Yul	Monarchy	Jigme Singye Wangchuk	152	BT
BVT	Bouvet Island	Antarctica	Antarctica	59.00	1981	0	0.00	0.00	0.00	Bouvetøya	Dependent Territory of Norway	Harald V	100	BV
BWA	Botswana	Africa	Southern Africa	581730.00	1966	1622000	39.3	4834.00	4935.00	Botswana	Republic	Festus G. Mogae	204	BF
CAF	Central African Rep...	Africa	Central Africa	622884.00	1960	3615000	44.0	1054.00	993.00	Centrafrique/Bê-Afrika	Republic	Ange-Félix Patassé	1889	CF
CAN	Canada	North America	North America	9970610.00	1867	31147000	79.4	598862.00	625626.00	Canada	Constitutional Monarchy, Federation	Elisabeth II	1822	CA
CCK	Cocos (Keeling) Isl...	Oceania	Australia and New Zealand	14.00	1981	600	0.00	0.00	0.00	Cocos (Keeling) Islands	Territory of Australia	Elisabeth II	2317	CC
CHE	Switzerland	Europe	Western Europe	41284.00	1499	7160400	79.6	264478.00	256092.00	Schweiz/Suisse/Svizzera/Svizra	Federation	Adolf Ogi	3248	CH
CHL	Chile	South America	South America	756626.00	1810	15211000	75.7	72949.00	75780.00	Chile	Republic	Ricardo Lagos Escobar	554	CL
CHN	China	Asia	Eastern Asia	9572900.00	-1523	1277558...	71.4	982268.00	917719.00	Zhongguo	People's Republic	Jiang Zemin	1891	CN
CIV	Côte d'Ivoire	Africa	Western Africa	322463.00	1960	14786000	45.2	11345.00	10285.00	Côte d'Ivoire	Republic	Laurent Gbagbo	2814	CI
CMR	Cameroon	Africa	Central Africa	475462.00	1960	15085000	44.8	9174.00	8596.00	Cameroon/Cameroun	Republic	Paul Biya	1804	CM
CGO	Congo, The Democr...	Africa	Central Africa	2344858.00	1960	51654000	48.8	6964.00	2474.00	République Démocratique du Congo	Republic	Joseph Kabila	2298	CD
COD	Congo	Africa	Central Africa	342000.00	1960	2943000	47.4	2108.00	2287.00	Congo	Republic	Denis Sassou-Nguesso	2296	CG
COK	Cook Islands	Oceania	Polynesia	236.00	1981	20000	71.1	100.00	100.00	The Cook Islands	Nonmetropolitan Territory of New Zealand	Elisabeth II	583	CK

country 2 x

Output

Action Output

1 10:52:24 SELECT * FROM world.country LIMIT 0, 1000

Message

239 row(s) returned

9. Select all countries: **select_all_countries_using_all_column_names**

PLEASE NOTE: You can also select ALL by mentioning all column names

1 • **SELECT Code, Name, Continent, Region, SurfaceArea, IndepYear, Population, LifeExpectancy, GNP, GNPOLD, LocalName, GovernmentForm, HeadOfState, Capital, Code2 FROM world.country**

Code	Name	Continent	Region	SurfaceArea	IndepYear	Population	LifeExpectancy	GNP	GNPOLD	LocalName	GovernmentForm	HeadOfState	Capital	Code2
ABW	Aruba	North America	Caribbean	193.00	1981	103000	78.4	828.00	793.00	Aruba	Nonmetropolitan Territory of The Netherlands	Beatrix	129	AW
AFG	Afghanistan	Asia	Southern and Central Asia	652090.00	1919	22720000	45.9	5976.00	5976.00	Afghanistan/Afghanistan	Islamic Emirate	Mohammad Omar	1	AF
AGO	Angola	Africa	Central Africa	1246700.00	1975	12878000	38.3	6648.00	7984.00	Angola	Republic	José Eduardo dos Santos	56	AO
AIA	Anguilla	North America	Caribbean	96.00	1981	8000	76.1	63.20	63.20	Anguilla	Dependent Territory of the UK	Elisabeth II	62	AI
ALB	Albania	Europe	Southern Europe	28748.00	1912	3401200	71.6	3205.00	2500.00	Shqipëria	Republic	Rexhep Mejdani	34	AL
AND	Andorra	Europe	Southern Europe	468.00	1278	78000	83.5	1630.00	1630.00	Andorra	Parliamentary Coprinpalcity		55	AD
ANT	Netherlands Antilles	North America	Caribbean	800.00	1954	217000	74.7	1941.00	1941.00	Nederlandse Antillen	Nonmetropolitan Territory of The Netherlands	Beatrix	33	AN
ARE	United Arab Emirates	Asia	Middle East	83600.00	1971	2441000	74.1	37966.00	36846.00	Al-Ummat al-'Arabiya al-Muttahida	Emirate Federation	Zayid bin Sultan al-Nahayyan	65	AE
ARG	Argentina	South America	South America	2780400.00	1816	37032000	75.1	340238.00	323310.00	Argentina	Federal Republic	Fernando de la Rúa	69	AR
ARM	Armenia	Asia	Middle East	29800.00	1991	3520000	66.4	1813.00	1627.00	Hagastan	Republic	Robert Kotstargan	126	AM
ASM	American Samoa	Oceania	Polynesia	199.00	1981	68000	75.1	334.00	334.00	Amerika Samoa	US Territory	George W. Bush	54	AS
ATA	Antarctica	Antarctica	Antarctica	13120000.00	1959	0	0.00	0.00	0.00	-	Co-administrated		100	AQ
ATF	French Southern ter...	Antarctica	Antarctica	7780.00	1959	0	0.00	0.00	0.00	Terres australes françaises	Nonmetropolitan Territory of France	Jacques Chirac	100	TF
ATG	Antigua and Barbuda	North America	Caribbean	442.00	1981	68000	70.5	612.00	584.00	Antigua and Barbuda	Constitutional Monarchy	Elisabeth II	63	AG
AUS	Australia	Oceania	Australia and New Zealand	7741220.00	1901	18886000	79.8	351182.00	392911.00	Australia	Constitutional Monarchy, Federation	Elisabeth II	135	AU
AUT	Austria	Europe	Western Europe	83859.00	1918	8091800	77.7	211860.00	206025.00	Österreich	Federal Republic	Thomas Kiesel	1523	AT
AZE	Azerbaijan	Asia	Middle East	86600.00	1991	7734000	62.9	4127.00	4100.00	Azərbaycan	Federal Republic	Heydar Aliyev	144	AZ
BDI	Burundi	Africa	Eastern Africa	27834.00	1962	6695000	46.2	903.00	982.00	Burundi/Uburundi	Republic	Pierre Buyoya	552	BI
BEL	Belgium	Europe	Western Europe	30518.00	1830	10239000	77.8	249704.00	243948.00	Belgie/Belgique	Constitutional Monarchy, Federation	Albert II	179	BE
BEN	Benin	Africa	Western Africa	112622.00	1960	6097000	50.2	2357.00	2141.00	Bénin	Republic	Mathieu Kérékou	187	BJ
BFA	Burkina Faso	Africa	Western Africa	274000.00	1960	11937000	46.7	2425.00	2201.00	Burkina Faso	Republic	Blaise Compaoré	549	BF
BGD	Bangladesh	Asia	Southern and Central Asia	143998.00	1971	129155000	60.2	32852.00	31966.00	Bangladesh	Republic	Shahabuddin Ahmad	150	BD
BGR	Bulgaria	Europe	Eastern Europe	110994.00	1908	8190900	70.9	12178.00	10169.00	Balgaria	Republic	Petar Stojanov	539	BG
BHR	Bahrain	Asia	Middle East	694.00	1971	617000	73.0	6366.00	6097.00	Al-Bahrayn	Monarchy (Emirate)	Hamad bin Isa al-Khalifa	149	BH
BHS	Bahamas	North America	Caribbean	13878.00	1973	307000	71.1	3527.00	3347.00	The Bahamas	Nonstitutional Monarchy	Elisabeth II	148	BS
BH	Bosnia and Herzego...	Europe	Southern Europe	51197.00	1992	3972000	71.5	2841.00	2841.00	Bosna i Hercegovina	Federal Republic	Ante Jelavic	201	BA
BLR	Belarus	Europe	Eastern Europe	207600.00	1991	10236000	68.0	13714.00	13714.00	Belarus	Republic	Aleksandr Lukashenka	3520	BY
BLZ	Belize	North America	Central America	22696.00	1981	241000	70.9	630.00	616.00	Belize	Constitutional Monarchy	Elisabeth II	185	BZ
BMU	Bermuda	North America	North America	53.00	1981	65000	76.9	2328.00	2190.00	Bermuda	Dependent Territory of the UK	Elisabeth II	191	BM
BOL	Bolivia	South America	South America	1098581.00	1825	8329000	63.7	8571.00	7967.00	Bolivia	Republic	Hugo Bánzer Suárez	194	BO
BRA	Brazil	South America	South America	8547403.00	1822	170115000	62.9	776739.00	804108.00	Brasil	Federal Republic	Fernando Henrique Cardoso	211	BR
BRB	Barbados	North America	Caribbean	430.00	1966	270000	73.0	2223.00	2186.00	Barbados	Constitutional Monarchy	Elisabeth II	174	BB
BRN	Brunei	Asia	Southeast Asia	5765.00	1984	328000	73.6	11705.00	12460.00	Brunei Darussalam	Monarchy (Sultanate)	Haji Hassan al-Bolkiah	538	BN
BVT	Bhutan	Asia	Southern and Central Asia	47000.00	1910	2124000	52.4	372.00	383.00	Druk-Yul	Monarchy	Jigme Singye Wangchuk	152	BT
BVT	Bouvet Island	Antarctica	Antarctica	59.00	1981	0	0.00	0.00	0.00	Bouvetøya	Dependent Territory of Norway	Harald V	100	BV
BWA	Botswana	Africa	Southern Africa	581730.00	1966	1622000	39.3	4834.00	4935.00	Botswana	Republic	Festus G. Mogae	204	BF
CAF	Central African Rep...	Africa	Central Africa	622884.00	1960	3615000	44.0	1054.00	993.00	Centrafrique/Bê-Afrika	Republic	Ange-Félix Patassé	1889	CF
CAN	Canada	North America	North America	9970610.00	1867	31147000	79.4	598862.00	625626.00	Canada	Constitutional Monarchy, Federation	Elisabeth II	1822	CA
CCK	Cocos (Keeling) Isl...	O												

10. Select all countries using fewer columns

For example: we are only interested in two columns: Name & HeadOfState

SELECT Name, HeadOfState FROM world.country;

1 • `SELECT Name, HeadOfState FROM world.country;`

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	Name	HeadOfState
▶	Aruba	Beatrix
	Afghanistan	Mohammad Omar
	Angola	José Eduardo dos Santos
	Anguilla	Elisabeth II
	Albania	Rexhep Mejdani
	Andorra	
	Netherlands Antilles	Beatrix
	United Arab Emirates	Zayid bin Sultan al-Nahayan
	Argentina	Fernando de la Rúa
	Armenia	Robert Kotšarjan
	American Samoa	George W. Bush
	Antarctica	
	French Southern ter...	Jacques Chirac
	Antigua and Barbuda	Elisabeth II
	Australia	Elisabeth II
	Austria	Thomas Klestil
	Azerbaijan	Heydär Äliyev
	Burundi	Pierre Buyoya
	Belgium	Albert II
	Benin	Mathieu Kérékou
	Burkina Faso	Blaise Compaoré
	Bangladesh	Shahabuddin Ahmad
	Bulgaria	Petar Stojanov
	Bahrain	Hamad ibn Isa al-Khalifa
	Bahamas	Elisabeth II
	Bosnia and Herzego...	Ante Jelavic
	Belarus	Aljaksandr Lukašenka
	Belize	Elisabeth II
	Bermuda	Elisabeth II
	Bolivia	Hugo Bánzer Suárez
	Brazil	Fernando Henrique Cardoso
	Barbados	Elisabeth II
	Brunei	Haji Hassan al-Bolkiah
	Bhutan	Jigme Singye Wangchuk
	Bouvet Island	Harald V
	Botswana	Festus G. Mogae
	Central African Rep...	Ange-Félix Patassé
	Canada	Elisabeth II
	Cocos (Keeling) Isla...	Elisabeth II
	Switzerland	Adolf Ogi
	Chile	Ricardo Lagos Escobar
	China	Jiang Zemin
	Côte d'Ivoire	Laurent Gbagbo
	Cameroon	Paul Biya
	Congo, The Democr...	Joseph Kabila
	Congo	Denis Sassou-Nguesso
	Cook Islands	Elisabeth II
	Croatia	Stjepan Mešić

country 10 x

Output

Action Output

#	Time	Action
✓ 1	11:13:55	SELECT Name, HeadOfState FROM world.country LIMIT 0, 1000