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1  USE db_countries;
2  -- IMPORTING DATA FROM A CSV
3  -- select * FROM countries_of_the_world;--
4  SHOW TABLES;
5
6  DESCRIBE continents;
7  DESCRIBE cities;
8  DESCRIBE countries;
9  DESCRIBE attractions;
10 DESCRIBE countries_of_the_world;
11
12 SELECT *                FROM continents;
13 SELECT continents.name   FROM continents;
14 SELECT SURFACE           AS `SIZE IN MILES` FROM continents;
15 SELECT *                FROM cities;
16
17
18 -- BASIC SELECT STATEMENTS
19 SELECT *                FROM continents;
20 SELECT *                FROM cities;
21 SELECT *                FROM countries;
22
23 SELECT SURFACE           FROM countries;
24 SELECT surface, population FROM countries;
25 SELECT surface, population FROM countries WHERE ID_COUNTRY=1;
26 SELECT surface, population FROM countries WHERE name='Spain';
27 SELECT surface, population FROM countries WHERE name='SPAIN';
28 SELECT surface, population FROM countries WHERE name='spAIN';
29 SELECT name, population FROM countries WHERE population > 20;
30 SELECT name, population FROM countries WHERE population*0.0001 > 20;
31 SELECT name, population FROM countries WHERE population BETWEEN 0 AND 200000 ORDER
32 BY population DESC LIMIT 10;
33 SELECT name, population FROM countries WHERE population BETWEEN 10 AND 20 ORDER BY
34 population;
35 SELECT name, population FROM countries WHERE population BETWEEN 10 AND 20 ORDER BY
36 population DESC;
37 SELECT name, population FROM countries WHERE population BETWEEN 10 AND 20 ORDER BY
38 population DESC LIMIT 10;
39 SELECT name, population FROM countries WHERE population BETWEEN 00 AND 20000000
40 ORDER BY name DESC LIMIT 10;
41 SELECT name, population FROM countries WHERE population BETWEEN 00 AND 20000000
42 ORDER BY name LIMIT 5;
43 SELECT name, population FROM countries WHERE population BETWEEN 00 AND 20000000
44 ORDER BY name LIMIT 5 OFFSET 4;
45 SELECT name, population FROM countries WHERE continent IN (1,2);
46 SELECT name, population FROM countries WHERE continent = 1 AND population BETWEEN 10
47 AND 20 ORDER BY population DESC LIMIT 10; #
48 SELECT name, population FROM countries WHERE continent = 2 AND population BETWEEN 10
49 AND 2000000 ORDER BY population DESC LIMIT 10; #
50 SELECT name, population FROM countries WHERE continent < 6 AND population BETWEEN 10
51 AND 20000 ORDER BY population DESC LIMIT 10; #
52 SELECT name, population FROM countries WHERE continent < 6 AND population BETWEEN 10
53 AND 20000 ORDER BY population DESC LIMIT 10; #
54 SELECT DISTINCT continent FROM countries;
55 SELECT COUNT(*)          FROM continents;
56
57 # AGGREGATIONS
58 SELECT continent, MAX(surface) FROM countries;
59 SELECT continent, MAX(surface) FROM countries WHERE continent =1;
60 SELECT continent, SUM(surface) FROM countries GROUP BY continent;
61 SELECT continent, variance(surface) FROM countries GROUP BY continent;
62 SELECT continent, std(surface) FROM countries GROUP BY continent;
63 SELECT COUNT(*)          FROM countries GROUP BY continent;
64 SELECT continent, AVG(surface) FROM countries GROUP BY continent;
65 SELECT continent, MIN(surface) FROM countries GROUP BY continent;

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56 SELECT continent, MAX(surface) FROM countries WHERE continent =1;
57
58
59
60 # Basic String Manipulation
61 SELECT * FROM attractions WHERE name LIKE '%square%';
62 SELECT * FROM attractions WHERE name LIKE 'A%';
63 SELECT * FROM attractions WHERE name LIKE 'B%';
64 SELECT * FROM attractions WHERE name LIKE '_%';
65 SELECT * FROM attractions WHERE name LIKE '_____%';
66 SELECT * FROM attractions WHERE name LIKE '_____';
67 SELECT * FROM countries_of_the_world WHERE Country REGEXP 'mar';
68 SELECT * FROM countries_of_the_world WHERE Country REGEXP '^Den';
69 SELECT * FROM countries_of_the_world WHERE Country REGEXP '^[AT]';
70
71
72 # Midterm Style questions
73 # How many times is the median country of each region the size of the average country
of that region?
74 # For each region, can you please tell me what are the countries that are larger than
the mean?
75 # Which % of the world's GDP is created by the 4 richest countries?
76 # Do the richest 4 countries have a larger Coastline to Area ratio than the average?
77

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