DataBase laboratory number 2.

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Task 1 :

CREATE SCHEMA IF NOT EXISTS world2 character set utf8 collate utf8\_bin;

use world2;

CREATE TABLE IF NOT EXISTS world2.country (

ID INT PRIMARY KEY AUTO\_INCREMENT,

Name VARCHAR(255) NOT NULL,

Capital VARCHAR(255) NOT NULL,

Population INT NOT NULL,

GDP INT NOT NULL,

HDI REAL NOT NULL

) ENGINE = INNODB;

show tables;

INSERT INTO world2.country(Name, Capital, Population, GDP, HDI)

VALUES

("Ukraine", "Kyiv", 43817733, 17767, 0.750),

("Norway", "Oslo", 5407670, 55752, 0.953),

("Serbia", "Belgrade", 7000000, 19767, 0.799),

("Finland", "Helsinki", 5520000, 46559, 0.925),

("Czech Republic", "Praha", 10649800, 42557, 0.888),

("Estonia", "Tallinn", 1328000, 37605, 0.882),

("Switzerland", "Bern", 8570000, 64649, 0.946),

("Poland", "Warsaw", 38000000, 35651, 0.872),

("Portugal", "Lisabon", 10327050, 42570, 0.848),

("Russia", "Moscow", 146000000, 30819, 0.824),

("Sweden", "Stockholm", 10333000, 54628, 0.937),

("Turkey", "Ankara", 84817733, 37767, 0.806),

("Denmark", "Kopenhagen", 5785300, 50688, 0.930),

("Slovenia", "Ljubljana", 2094000, 40343, 0.902),

("Germany", "Berlin", 83149000, 52559, 0.939),

("Austria", "Vienna", 8902600, 51936, 0.914),

("Bulgaria", "Sofia", 6902600, 35936, 0.813),

("France", "Paris", 67022000, 48640, 0.891),

("Italy", "Rome", 60317000, 40470, 0.883),

("Spain", "Madrid", 46733000, 43007, 0.893),

(" Netherlands", "Amsterdam",17102600, 54936, 0.904);

show tables;

2nd Task:

SELECT \*

FROM country

ORDER BY Population DESC;

3rd Task :

We check which country has the smallest population, this is Estonia.

SELECT \*

FROM country

WHERE Population = (SELECT MIN(Population) FROM country);

Then we assign for this value which equals 20000000

UPDATE country

SET Population = 20000000

WHERE Population = (SELECT MIN(Population) FROM (SELECT \* FROM country) AS min\_value);

4th Task :

Prints countries with population less than 20mlns.

SELECT \*

FROM country

WHERE Population < 20000000;

5th Task:

Delete countries with population greater than 20mlns

And after this prints countries which left in order way.

DELETE FROM country

WHERE Population < 20000000;

SELECT \*

FROM country

WHERE Population > 20000000;