| Завдання | Код |
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| 1 | CREATE SCHEMA pandemic;  use pandemic;  SELECT \* FROM pandemic.infectious\_cases; |
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| 2 | DROP TABLE IF EXISTS cases;  DROP TABLE IF EXISTS countries;  CREATE TABLE countries (  id INT PRIMARY KEY AUTO\_INCREMENT,  name\_coutries VARCHAR(100),  code\_countries VARCHAR(45)  );  CREATE TABLE cases (  id INT PRIMARY KEY AUTO\_INCREMENT,  country\_id INT,  year INT,  number\_yaws TEXT,  polio\_cases INT,  cases\_guinea\_worm INT,  number\_rabies TEXT,  number\_malaria TEXT,  number\_hiv TEXT,  number\_tuberculosis TEXT,  number\_smallpox TEXT,  number\_cholera\_cases TEXT,  FOREIGN KEY (country\_id) REFERENCES countries (id)  );  INSERT INTO countries (name\_coutries, code\_countries)  SELECT DISTINCT Entity, Code FROM infectious\_cases;  INSERT INTO cases (country\_id, year, number\_yaws, polio\_cases, cases\_guinea\_worm, number\_rabies, number\_malaria, number\_hiv, number\_tuberculosis, number\_smallpox, number\_cholera\_cases)  SELECT c.id, Year, Number\_yaws, polio\_cases, cases\_guinea\_worm, number\_rabies, number\_malaria, number\_hiv, number\_tuberculosis, number\_smallpox, number\_cholera\_cases  FROM infectious\_cases ic  JOIN countries c ON ic.Entity = c.name\_coutries AND ic.Code = c.code\_countries; |
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| 3 | SELECT country\_id,  AVG(Number\_rabies) AS avg\_number\_rabies,  MIN(Number\_rabies) AS min\_number\_rabies,  MAX(Number\_rabies) AS max\_number\_rabies,  SUM(Number\_rabies) AS sum\_number\_rabies  FROM cases  WHERE Number\_rabies <>''  GROUP BY  country\_id  ORDER BY  avg\_number\_rabies DESC  LIMIT 10; |
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| SELECT Entity, Code,  AVG(CAST(Number\_rabies AS DECIMAL)) AS avg\_number\_rabies,  MIN(CAST(Number\_rabies AS DECIMAL)) AS min\_number\_rabies,  MAX(CAST(Number\_rabies AS DECIMAL)) AS max\_number\_rabies,  SUM(CAST(Number\_rabies AS DECIMAL)) AS sum\_number\_rabies  FROM infectious\_cases  WHERE Number\_rabies <>''  GROUP BY  Entity, Code  ORDER BY  avg\_number\_rabies DESC  LIMIT 10; |
| 4 | SELECT year,  MAKEDATE(year, 1) AS start\_year\_date,  CURDATE() AS curren\_date,  TIMESTAMPDIFF(YEAR,MAKEDATE(year, 1), CURDATE()) AS diferent\_years  FROM cases; |
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| 5 | DROP FUNCTION IF EXISTS YearDifference;  DELIMITER //  CREATE FUNCTION YearDifference(year\_value INT)  RETURNS INT  DETERMINISTIC  NO SQL  BEGIN  DECLARE result INT;  SET result = TIMESTAMPDIFF(YEAR,MAKEDATE(year\_value, 1), CURDATE());  RETURN result;  END //  DELIMITER ;  SELECT year, YearDifference(year) AS diferent\_years  FROM cases; |