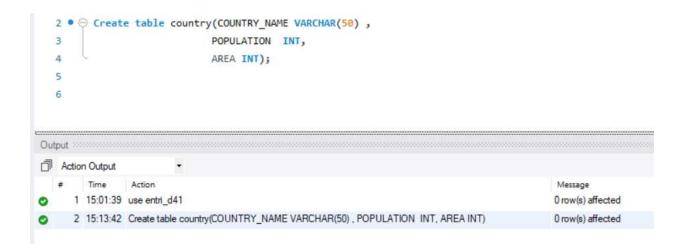
Create a table named Country with fields: Id Country_name Population Area

CREATE TABLE COUNTRY(COUNTRY_NAME VARCHAR(50), POPULATION INT, AREA INT);



Create another table named Persons with fields: Id Fname Lname Population Rating Country_Id Country_name

```
CREATE TABLE PERSONS(F_NAME VARCHAR(50),

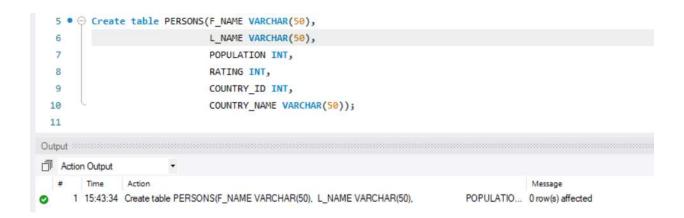
L_NAME VARCHAR(50),

POPULATION INT,

RATING INT,

COUNTRY_ID INT,

COUNTRY_NAME VARCHAR(50));
```



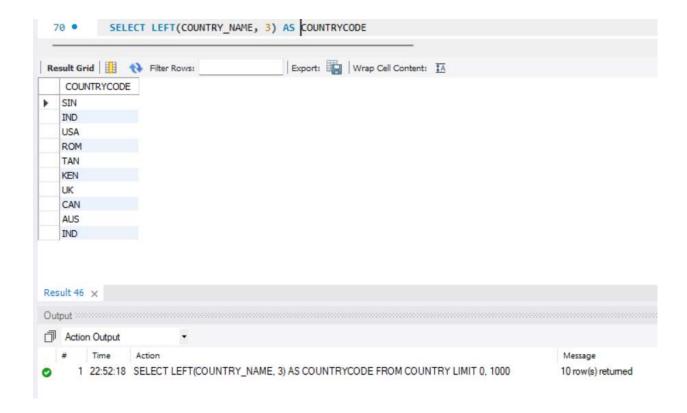
INSERT INTO COUNTRY VALUES ('SINGAPORE,40000000,1000),('INDONESIA',100000000,2500),

12 •	INSERT INTO COUNTRY VALUES('SINGAPORE',48000000,1800),('INDONESIA',	1000000000.25	580)1
13 .	3 * INSERT INTO COUNTRY VALUES ('USA',6686000,4000),('NOME',280000,1000),		
14			
15			
16			
17			
18			
19			
_			
Output			
Action	in Output		
	Time Action		Message
0 1	16:33:33 INSERT INTO COUNTRY VALUES('USA', 6600000, 4000), ('ROME', 200000, 1000),	(TA 4	Frow(s) affected Records: 4 Duplicates: 0 Warnings: 0
16 •	INSERT INTO COUNTRY VALUES ('UK',6500009,2000),('CANADA',4500000	80,3500),	
17	('AUSTRALIA',8000000,6500),('INDIA',5000		i e
18			
19			
20			
21			
2			
Output			
(3) Actio	ion Output +		
	Time Action		Message
0 1	1 16:33:33 INSERT INTO COUNTRY VALUES('USA',6600000,4000),('ROME',200000,1000).	(TA	4 row(s) affected Records: 4 Duplicates: 0 Warnings: 0
0 2	2 16:44:09 INSERT INTO COUNTRY VALUES('UK'.6500000,2000); (CANADA:.450000000.5500).		4 row(s) affected Records: 4 Duplicates: 0 Warnings: 0

```
INSERT INTO PERSONS VALUES ('KANNAN', 'RAVI', 6600000, 6,10001, 'USA'),
                               ('MANJU','NATH', 6600000,3,10001,"),
                               ('SUKANYA','SURESH', 6500000,7,10002,'UK'),
                               ('ANDREW','THOMPSON', 450000000,8,10003,'CANADA'),
                               ('ANIL','CHOUDHARY', 500000000,4,10005,'INDIA'),
                               ('SIMILY','MATHEW', $0000000,6,10004,'AUSTRALIA'),
                               ('ABDUL','SALAM', 5000000,3,10225,'TANZANIA'),
                               ('ROBERT', 'MOGAMBE', 5000000,4,10225, 'TANZANIA'),
                               ('SUKVINDER', 'SINGH', 6500000,6,10002,'UK');
 19 •
         INSERT INTO PERSONS VALUE ('TINU', 'TOM', 40000000, 5, 10010, 'SINGAPORE');
  20
Output ---
Action Output
                                                                                         Message
                Action
      1 16:56:33 Create table PERSONS(F_NAME VARCHAR(50), L_NAME VARCHAR(50),
                                                                              POPULATIO... Error Code: 1050.
      2 16:56:42 INSERT INTO PERSONS VALUE ('TINU', 'TOM', 40000000, 5, 10010, 'SINGAPORE')
                                                                                         1 row(s) affected
  21 . INSERT INTO PERSONS VALUES('KANHAM', 'RAVI', 6600000, 6, 18001, 'USA'),
       ('HANJU', 'HATH', 6688888, 3, 18881, ''),
  22
       ('SUKANYA', 'SUMESH', 6500000,7,10002, 'UK'),
  23
       ('ANDREM','THOMPSON', 458888888,8,18883,'CANADA'),
       ('AMIL','CHOUDHARY', 500000000,4,10005, 'INDIA'),
  25
       ("SIRILY", "MATHEM", 88888888,5,18884, "AUSTRALIA"),
       ('ABDUL', 'SALAH', 5888000,3,10225, 'TANZAHIA'),
       ('ROBERY', 'MOGAMBE', 5000000,4,10225, 'TANZANIA'),
       ("SUKVINDER", "SINGH", 6588888,6,18882, "UK");
Dutput
Action Output
```

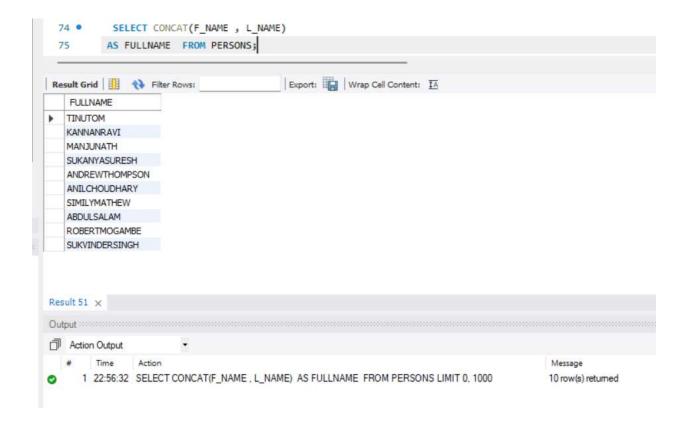
1. Write an SQL query to print the first three characters of Country_name from the Country table.

SELECT LEFT(COUNTRY_NAME, 3) AS COUNTRYCODE FROM COUNTRY;



2. Write an SQL query to concatenate first name and last name from Persons table.

SELECT CONCAT(F_NAME, L_NAME) AS FULLNAME FROM PERSONS;



3. Write an SQL query to count the number of unique country names from Persons table.

SELECT DISTINCT COUNT(COUNTRY_NAME),COUNTRY_NAME FROM PERSONS GROUP BY COUNTRY_NAME;

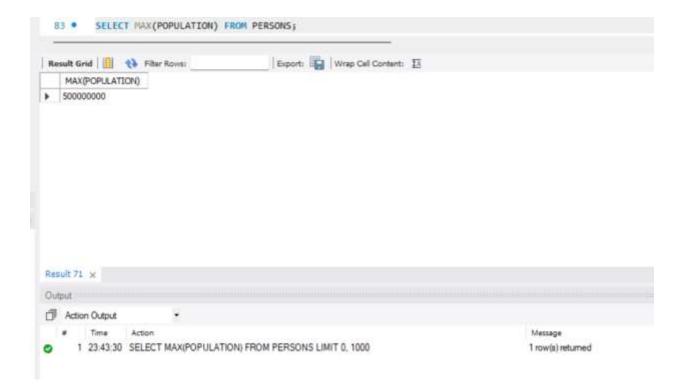






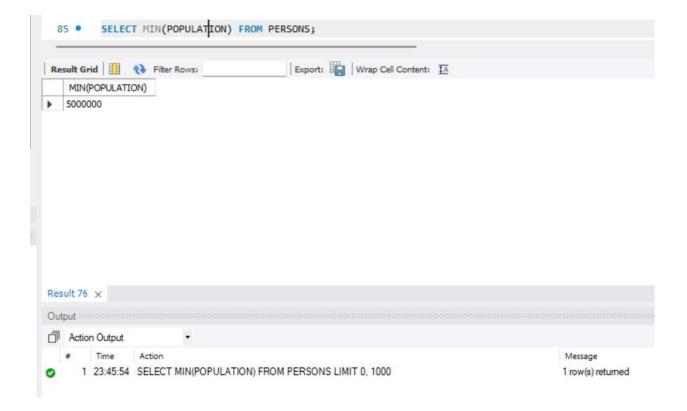
4. Write a query to print the maximum population from the Country table.

SELECT MAX(POPULATION) FROM PERSONS;



5. Write a query to print the minimum population from Persons table.

SELECT MIN(POPULATION) FROM PERSONS;



6. Insert 2 new rows to the Persons table making the Lname NULL. Then write another query to count Lname from Persons table.

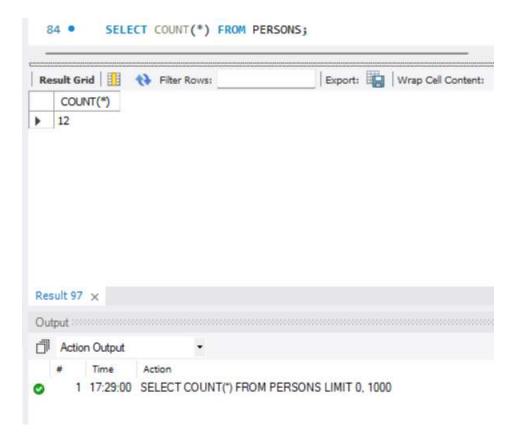
INSERT INTO PERSONS VALUES('JALEEL','NULL',6600000,7,10001,'USA'), ('MANOJ','NULL',6600000,8,10001,'USA');

```
91 • INSERT INTO PERSONS VALUES ("JALEEL", "NULL", 6500000, 7, 10001, "USA"),
92 ("MANO3", "NULL", 6500000, 8, 10001, "USA");
93
94
95
96
97
Output

# Time Action Output = Message
1 23:38:40 INSERT INTO PERSONS VALUES (JALEEL", NULL", 6600000, 7, 10001, USA), (MANOJ", NULL", 660000... 2 rowis) affected Records: 2 Duplicates: 0 Warnings: 0
```

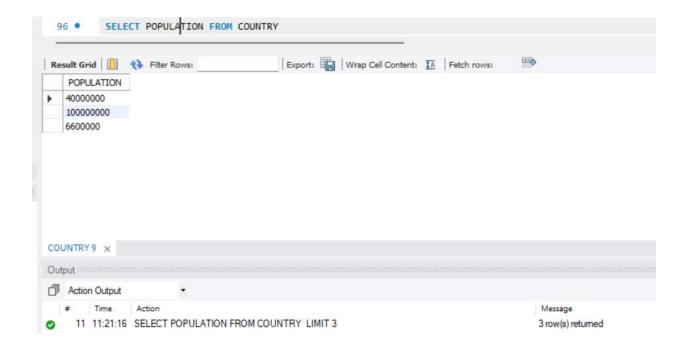
7. Write a query to find the number of rows in the Persons table.

SELECT COUNT(*) FROM PERSONS;



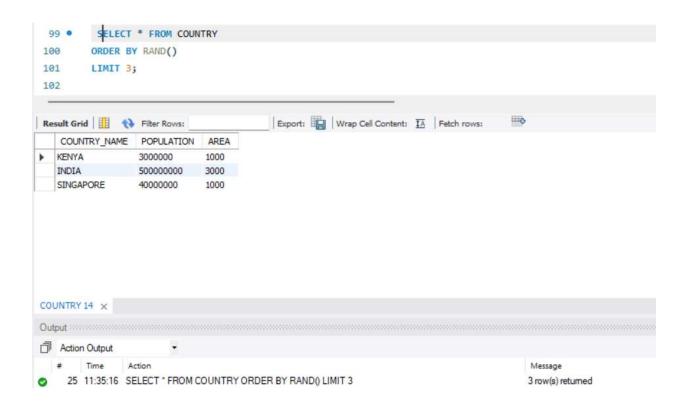
8. Write an SQL query to show the population of the Country table for the first 3 rows. (Hint: Use LIMIT)

SELECT POPULATION FROM COUNTRY LIMIT 8;



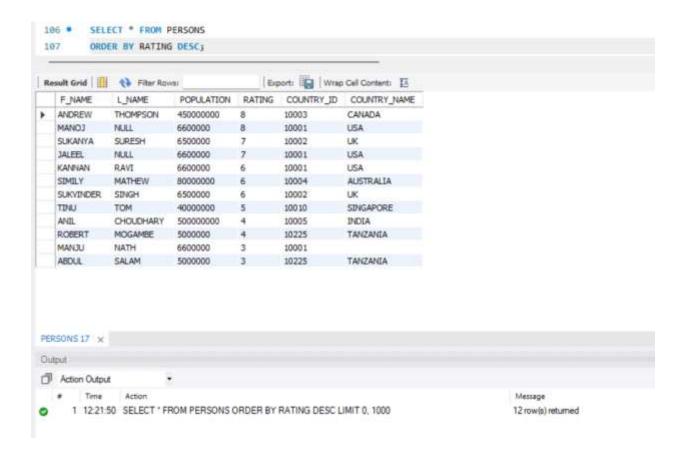
9. Write a query to print 3 random rows of countries. (Hint: Use rand() function and LIMIT)

SELECT * FROM COUNTRY ORDER BY RAND() LIMIT 3;



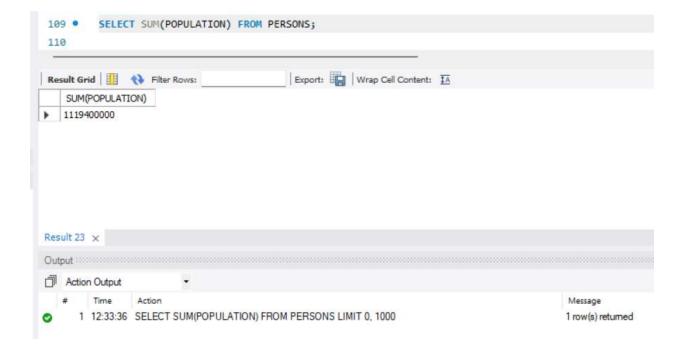
10. List all persons ordered by their rating in descending order.

SELECT * FROM PERSONS ORDER BY RATING DESC;



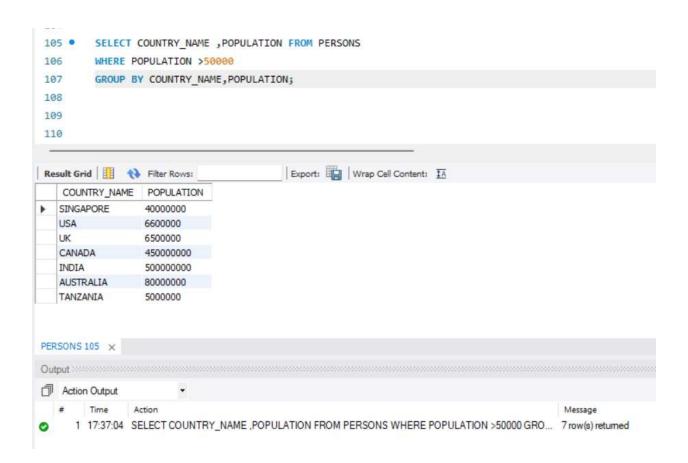
11. Find the total population for each country in the Persons table.

SELECT SUM(POPULATION) FROM PERSONS;



12. Find countries in the Persons table with a total population greater than 50,000

SELECT COUNTRY_NAME, POPULATION FROM PERSONS WHERE POPULATION >50000 GROUP BY COUNTRY_NAME, POPULATION;



13. List the total number of persons and average rating for each country, but only for countries with more than 2 persons, ordered by the average rating in ascending order.

SELECT COUNT(*), AVG(RATING), COUNTRY_NAME FROM PERSONS GROUP BY COUNTRY_NAME HAVING COUNT(*)>=2

