

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

```
47 • select left(Country_name,3) as Firstthree from country_1;  
48
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	Firstthree			
▶	USA			
	Ind			
	Can			
	UK			
	Aus			
	Ger			
	Fra			
	Ita			
	Bra			
	Jap			




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

```
49 • select CONCAT(Fname, ' ', Lname) AS FullName FROM Persons_1;
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	FullName			
	Ashly Thomas			
	Jibin Joy			
	Goshal Jay			
	Richu Zach			
	Mebin Joby			
	Jonhy John			
	Gopika Anil			
	George Mamen			
	Justin Jose			
	Mariya Sam			

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




```
51 • select COUNT(DISTINCT Country_name) AS Unique_Country_Count from Persons_1;
52
```

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

	Unique_Country_Count
▶	9

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

```
53 • Select MAX(Population) as Max_Population from Country_1;
54
```

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

	Max_Population
▶	1393000000

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

```
55 • select MIN(Population) as Min_Population from Persons_1;
```

```
56
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	Min_Population			
▶	23000			

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

```
64 • SELECT COUNT(Lname) AS CountLname FROM Persons_1;
```

```
65
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	CountLname			
▶	10			

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

```
66 • SELECT COUNT(*) AS TotalRows FROM Persons_1;|_
```

```
67
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	TotalRows			
▶	12			

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

```
68 • SELECT Population FROM Country_1 LIMIT 3;_
69
```

Population
331000000
1393000000
380000000

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

```
70 • SELECT * FROM Country_1 ORDER BY RAND() LIMIT 3;_
71
```

	Id	Country_name	Population	Area
▶	7	France	651200000	643801
	5	Australia	256000000	7692000
	3	Canada	380000000	9985000
*	NULL	NULL	NULL	NULL

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

```
72 • SELECT * FROM Persons_1 ORDER BY Rating DESC;
```

73

Result Grid							
		Filter Rows:		Edit:		Export/Import:	
	Id	Fname	Lname	Population	Rating	Country_Id	Country_name
▶	6	Jonhy	John	45000	4.8	1	USA
	4	Richu	Zach	31000	4.7	4	UK
	10	Mariya	Sam	26000	4.6	9	Brazil
	1	Ashly	Thomas	35000	4.5	1	USA
	11	Ashly	NULL	35000	4.3	5	Australia
	2	Jibin	Joy	42000	4.2	2	India
	7	Gopika	Anil	37000	4.1	6	Germany
	9	Justin	Jose	33000	4.0	8	Italy
	5	Mebin	Joby	23000	3.9	5	Australia
	12	Jibin	NULL	42000	3.9	3	Canada
	3	Goshal	Jay	28000	3.8	3	Canada
	8	George	Mamen	29000	3.7	7	France
✱	NULL	NULL	NULL	NULL	NULL	NULL	NULL

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

```
74 • SELECT Country_name, SUM(Population) AS TotalPopulation FROM Persons_1 GROUP BY Country_name;
```

75

Result Grid		
		Filter Rows:
		Export:
		Wrap Cell Content:
	Country_name	TotalPopulation
▶	USA	80000
	India	42000
	Canada	70000
	UK	31000
	Australia	58000
	Germany	37000
	France	29000
	Italy	33000
	Brazil	26000

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

```
76 • SELECT Country_name FROM Persons_1 GROUP BY Country_name HAVING SUM(Population) > 50000;
77
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
Country_name			
USA			
Canada			
Australia			

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.

```
78 • SELECT Country_name, COUNT(*) AS TotalPersons, AVG(Rating) AS AvgRating
79 FROM Persons_1
80 GROUP BY Country_name
81 HAVING COUNT(*) > 2
82 ORDER BY AvgRating ASC;
83
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
Country_name	TotalPersons	AvgRating	