

(1) Perform inner join, Left join, and Right join on the tables.

Inner join

```
1  -- Q1
2  -- inner join
3  • SELECT *
4  FROM Country C
5  INNER JOIN Persons P ON C.ID = P.COUNTRY_ID;
6
```

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	Id	Country_name	Population	Area	Id	Fname	Lname	Population	Rating	Country_Id	Country_name
	6	China	1440000000	9597000.00	6	Olivia	White	50000	4.10	6	China
	7	Japan	1258000000	377975.00	7	Ava	Thomas	30000	4.30	7	Japan
	8	Brazil	2126000000	8516000.00	8	William	Lee	40000	4.90	8	Brazil
	9	Germany	830200000	357386.00	9	Sophia	Green	20000	3.70	9	Germany
	10	France	670000000	551695.00	10	James	Clark	100000	3.60	10	France
	5	India	1380000000	3287000.00	11	Chris	NULL	70000	4.30	5	India
	6	China	1440000000	9597000.00	12	Taylor	NULL	50000	3.80	6	China
	1	USA	331000000	9834000.00	13	Carol	Smith	25000	4.50	1	USA
	2	Canada	380000000	9985000.00	14	David	Johnson	40000	4.00	2	Canada

```
6  -- left join
7  • SELECT *
8  FROM Country C
9  LEFT JOIN Persons P ON C.ID = P.COUNTRY_ID;
--
```

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	Id	Country_name	Population	Area	Id	Fname	Lname	Population	Rating	Country_Id	Country_name
	1	USA	331000000	9834000.00	18	Hannah	Clark	45000	4.10	1	USA
	1	USA	331000000	9834000.00	13	Carol	Smith	25000	4.50	1	USA
	1	USA	331000000	9834000.00	1	John	Doe	50000	4.50	1	USA
	2	Canada	38000000	9985000.00	19	Ian	Lewis	42000	4.40	2	Canada
	2	Canada	38000000	9985000.00	15	Eve	Taylor	20000	4.20	2	Canada
	2	Canada	38000000	9985000.00	14	David	Johnson	40000	4.00	2	Canada
	2	Canada	38000000	9985000.00	2	Jane	Smith	150000	4.80	2	Canada
	3	UK	67000000	243610.00	20	Jack	Walker	38000	3.70	3	UK
	3	UK	67000000	243610.00	17	Grace	Brown	27000	4.30	3	UK
	3	UK	67000000	243610.00	16	Frank	Williams	35000	3.80	3	UK

```
10 -- righth join
11 • SELECT *
12 FROM Country C
13 RIGHT JOIN Persons P ON C.ID = P.COUNTRY_ID;
--
```

Result Grid		Filter Rows:			Export:		Wrap Cell Content:				
	Id	Country_name	Population	Area	Id	Fname	Lname	Population	Rating	Country_Id	Country_name
▶	1	USA	331000000	9834000.00	1	John	Doe	50000	4.50	1	USA
	2	Canada	38000000	9985000.00	2	Jane	Smith	150000	4.80	2	Canada
	3	UK	67000000	243610.00	3	Mike	Brown	20000	4.00	3	UK
	4	Australia	25600000	7692000.00	4	Emma	Wilson	60000	4.20	4	Australia
	5	India	1380000000	3287000.00	5	Liam	Taylor	80000	3.90	5	India
	6	China	1440000000	9597000.00	6	Olivia	White	50000	4.10	6	China
	7	Japan	125800000	377975.00	7	Ava	Thomas	30000	4.30	7	Japan
	8	Brazil	212600000	8516000.00	8	William	Lee	40000	4.90	8	Brazil
	9	Germany	83020000	357386.00	9	Sophia	Green	20000	3.70	9	Germany
	10	France	67000000	551695.00	10	James	Clark	100000	3.60	10	France
	5	India	1380000000	3287000.00	11	Chris	NULL	70000	4.30	5	India

(2) List all distinct country names from both the Country and Persons tables.

```
18      -- Q2
19 •    SELECT DISTINCT Country_name FROM Country
20      UNION
21      SELECT DISTINCT Country_name From Persons;
```

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

	Country_name
▶	USA
	Canada
	UK
	Australia
	India
	China
	Japan
	Brazil
	Germany
	France

(3) List all country names from both the Country and Persons tables, including duplicates.

```
23      -- Q3
24 •    SELECT DISTINCT Country_name FROM Country
25      UNION ALL
```

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

	Country_name
▶	USA
	Canada
	UK
	Australia
	India
	China
	Japan
	Brazil
	Germany
	France
	USA
	Canada
	UK
	Australia

(4) Round the ratings of all persons to the nearest integer in the Persons table.

```
28 -- Q4
29 • SELECT concat(Fname, ' ', Lname) AS name, ROUND(rating) FROM Persons;
--
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
	name	ROUND(rating)	
▶	John Doe	5	
	Jane Smith	5	
	Mike Brown	4	
	Emma Wilson	4	
	Liam Taylor	4	
	Olivia White	4	
	Ava Thomas	4	
	William Lee	5	
	Sophia Green	4	
	James Clark	4	