

Task and Results

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40
41 -- Inner join
42 • SELECT Persons.Id, Persons.Fname, Persons.Lname, Persons.Population AS Person_Population, Persons.Rating,
43      Country.Country_name, Country.Population AS Country_Population, Country.Area
44 FROM Persons INNER JOIN Country ON Persons.Country_Id = Country.Id;
```

Result Grid				Filter Rows:		Export:		Wrap Cell Content:	
	Id	Fname	Lname	Person_Population	Rating	Country_name	Country_Population	Area	
▶	1	Archana	Anil	1380004385	4.50	India	1380004385	3287260	
	2	John	Smith	331002651	4.70	USA	331002651	9833520	
	3	Dang	Li	1439323776	4.60	China	1439323776	9596960	
	4	Hiroshi	Taka	126476461	4.80	Japan	126476461	377975	
	5	Hans	Mueller	783942	4.90	Germany	783942	357022	
	6	James	Brown	67886011	4.40	UK	67886011	243610	
	7	Marie	Dupont	173511	4.30	France	173511	551695	
	8	Luca	Rossi	60461826	4.20	Italy	60461826	301340	
	9	Emily	Davis	37742154	4.10	Canada	37742154	9984670	
	10	Oliver	Wilson	25499884	4.00	Australia	25499884	7692020	
	11	Anayra	NULL	1380004385	4.70	India	1380004385	3287260	
	12	Obama	NULL	331002651	4.80	USA	331002651	9833520	3287260

```
46 -- Left Join
47
48 • SELECT Persons.Id, Persons.Fname, Persons.Lname, Persons.Population AS Person_Population, Persons.Rating,
49      Country.Country_name, Country.Population AS Country_Population, Country.Area
50 FROM Persons LEFT JOIN Country ON Persons.Country_Id = Country.Id;
```

Result Grid				Filter Rows:		Export:		Wrap Cell Content:	
	Id	Fname	Lname	Person_Population	Rating	Country_name	Country_Population	Area	
▶	1	Archana	Anil	1380004385	4.50	India	1380004385	3287260	
	2	John	Smith	331002651	4.70	USA	331002651	9833520	
	3	Dang	Li	1439323776	4.60	China	1439323776	9596960	
	4	Hiroshi	Taka	126476461	4.80	Japan	126476461	377975	
	5	Hans	Mueller	783942	4.90	Germany	783942	357022	
	6	James	Brown	67886011	4.40	UK	67886011	243610	
	7	Marie	Dupont	173511	4.30	France	173511	551695	
	8	Luca	Rossi	60461826	4.20	Italy	60461826	301340	
	9	Emily	Davis	37742154	4.10	Canada	37742154	9984670	
	10	Oliver	Wilson	25499884	4.00	Australia	25499884	7692020	
	11	Anayra	NULL	1380004385	4.70	India	1380004385	3287260	
	12	Obama	NULL	331002651	4.80	USA	331002651	9833520	

Result 2 x

```
53
54 • SELECT Persons.Id, Persons.Fname, Persons.Lname, Persons.Population AS Person_Population, Persons.Rating,
55      Country.Country_name, Country.Population AS Country_Population, Country.Area
56 FROM Persons RIGHT JOIN Country ON Persons.Country_Id = Country.Id;
```

Result Grid				Filter Rows:		Export:		Wrap Cell Content:	
	Id	Fname	Lname	Person_Population	Rating	Country_name	Country_Population	Area	
▶	11	Anayra	NULL	1380004385	4.70	India	1380004385	3287260	
	1	Archana	Anil	1380004385	4.50	India	1380004385	3287260	
	12	Obama	NULL	331002651	4.80	USA	331002651	9833520	
	2	John	Smith	331002651	4.70	USA	331002651	9833520	
	3	Dang	Li	1439323776	4.60	China	1439323776	9596960	
	4	Hiroshi	Taka	126476461	4.80	Japan	126476461	377975	
	5	Hans	Mueller	783942	4.90	Germany	783942	357357022	
	6	James	Brown	67886011	4.40	UK	67886011	243610	
	7	Marie	Dupont	173511	4.30	France	173511	551695	
	8	Luca	Rossi	60461826	4.20	Italy	60461826	301340	
	9	Emily	Davis	37742154	4.10	Canada	37742154	9984670	
	10	Oliver	Wilson	25499884	4.00	Australia	25499884	7692020	

Result 3 x

Task and Results

```
58 -- List all distinct country names from both the Country and Persons tables
59 • SELECT DISTINCT Country_name FROM Country UNION SELECT DISTINCT Country_name FROM Persons;
```

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

Country_name
India
USA
China
Japan
Germany
UK
France
Italy
Canada
Australia

```
60
61 -- List all country names from both the Country and Persons tables, including duplicates
62 • SELECT Country_name FROM Country UNION ALL SELECT Country_name FROM Persons;
```

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

Country_name
India
USA
China
Japan
Germany
UK
France
Italy
Canada
Australia
India
USA

Result 5 x

```
63
64 -- Round the ratings of all persons to the nearest integer in the Persons table
65 • set sql_safe_updates = 0;
66 • UPDATE Persons SET Rating = ROUND(Rating, 0);
67 • SELECT Rating FROM persons;
```

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

Rating
5.00
5.00
5.00
5.00
5.00
4.00
4.00
4.00
4.00
4.00
5.00
5.00

persons 6 x