

JOINS AND UNION

CONSIDER THE COUNTRY TABLE AND PERSONS TABLE THAT YOU HAVE CREATED EARLIER AND PERFORM THE FOLLOWING:

(1)PERFORM INNER JOIN, LEFT JOIN, AND RIGHT JOIN ON THE TABLES.

```
SELECT C.COUNTRY_NAME AS  
CONT_COUNTRY_NAME,C.POPULATION,C.AREA,P.RATING,P.COUNTRY_ID,P.COUNTRY_NAME  
AS PER_COUNTRY_NAME FROM COUNTRY AS C LEFT JOIN PERSONS AS P ON  
C.COUNTRY_NAME=P.COUNTRY_NAME;
```

```
3 * SELECT c.COUNTRY_NAME AS CONT_COUNTRY_NAME,c.POPULATION,c.AREA,P.RATING,P.COUNTRY_ID,P.COUNTRY_NAME
4 AS PER_COUNTRY_NAME FROM COUNTRY AS C LEFT JOIN PERSONS AS P ON C.COUNTRY_NAME=P.COUNTRY_NAME;
5
```

CONT_COUNTRY_NAME	POPULATION	AREA	RATING	COUNTRY_ID	PER_COUNTRY_NAME
SINGAPORE	4000000	1000	5.37	10010	SINGAPORE
INDONESIA	100000000	2500	NULL	NULL	NULL
USA	6600000	4000	8.00	10001	USA
USA	6600000	4000	7.87	10001	USA
USA	6600000	4000	3.00	10001	USA
USA	6600000	4000	7.87	10001	USA
ROME	200000	1000	NULL	NULL	NULL
TANZANIA	5000000	1500	4.00	10225	TANZANIA
TANZANIA	5000000	1500	3.00	10225	TANZANIA
KENYA	3000000	1000	NULL	NULL	NULL
UK	6500000	2000	7.87	10002	UK
UK	6500000	2000	7.87	10002	UK
CANADA	450000000	5500	8.00	10003	CANADA
AUSTRALIA	80000000	6500	7.87	10004	AUSTRALIA
INDIA	500000000	3000	4.00	10005	INDIA

Result 12 x

Output

Action Output

#	Time	Action	Message
1	11:27:20	SELECT c.COUNTRY_NAME AS CONT_COUNTRY_NAME,c.POPULATION,c.AREA,P.RATING,P...	15 row(s) returned

```

SELECT C.COUNTRY_NAME AS CONT_COUNTRY_NAME,C.POPULATION,P.COUNTRY_NAME AS
PER_COUNTRY_NAME,P.F_NAME,P.L_NAME,P.RATING
FROM COUNTRY AS C RIGHT JOIN PERSONS AS P ON C.COUNTRY_NAME=P.COUNTRY_NAME;

```

8 *	SELECT C.COUNTRY_NAME AS CONT_COUNTRY_NAME,C.POPULATION,P.COUNTRY_NAME AS PER_COUNTRY_NAME,P.F_NAME,P.L_NAME,P.RATING
9	FROM COUNTRY AS C RIGHT JOIN PERSONS AS P ON C.COUNTRY_NAME=P.COUNTRY_NAME;

Result Grid	Filter Rows	Export	Wrap Cell Contents
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CONT_COUNTRY_NAME	POPULATION	PER_COUNTRY_NAME	F_NAME	L_NAME	RATING
SINGAPORE	4000000	SINGAPORE	TINU	TOM	5.37
USA	6600000	USA	KANNAN	RAVI	7.87
USA	6600000	USA	MANJU	NATH	3.00
UK	6500000	UK	SUKANYA	SURESH	7.87
CANADA	45000000	CANADA	ANDREW	THOMPSON	8.00
INDIA	500000000	INDIA	ANIL	CHOUDHARY	4.00
AUSTRALIA	80000000	AUSTRALIA	SIMLY	MATHEW	7.87
TANZANIA	5000000	TANZANIA	ABDUL	SALAM	3.00
TANZANIA	5000000	TANZANIA	ROBERT	MOGAMBE	4.00
UK	6500000	UK	SUKVINDER	SINGH	7.87
USA	6600000	USA	JALEEL	NULL	7.87
USA	6600000	USA	MANOJ	NULL	8.00

Result 13 x

Output

Action Output

#	Time	Action	Message
1	11:27:20	SELECT c.COUNTRY_NAME AS CONT_COUNTRY_NAME,c.POPULATION,c.AREA,P.RATING,P...	15 row(s) returned
2	11:28:24	SELECT C.COUNTRY_NAME AS CONT_COUNTRY_NAME,C.POPULATION,P.COUNTRY_NAME ...	12 row(s) returned

```
SELECT C.COUNTRY_NAME AS CONT_COUNTRY_NAME,C.POPULATION AS
CONT_POPULATION,P.POPULATION,P.COUNTRY_NAME
AS PER_COUNTRY_NAME FROM COUNTRY AS C INNER JOIN PERSONS AS P ON
C.COUNTRY_NAME=P.COUNTRY_NAME;
```

11	•	SELECT C.COUNTRY_NAME AS CONT_COUNTRY_NAME,C.POPULATION AS CONT_POPULATION,P.POPULATION,P.COUNTRY_NAME
12		AS PER_COUNTRY_NAME FROM COUNTRY AS C INNER JOIN PERSONS AS P ON C.COUNTRY_NAME=P.COUNTRY_NAME;
13		

Result Grid	Filter Rows:	Exports	Wrap Cell Contents
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	CONT_COUNTRY_NAME	CONT_POPULATION	POPULATION	PER_COUNTRY_NAME
▶	SINGAPORE	40000000	40000000	SINGAPORE
	USA	66000000	66000000	USA
	USA	66000000	66000000	USA
	UK	65000000	65000000	UK
	CANADA	450000000	450000000	CANADA
	INDIA	500000000	500000000	INDIA
	AUSTRALIA	80000000	80000000	AUSTRALIA
	TANZANIA	5000000	5000000	TANZANIA
	TANZANIA	5000000	5000000	TANZANIA
	UK	6500000	6500000	UK
	USA	6600000	6600000	USA
	USA	6600000	6600000	USA

Result 14 x

Output

#	Time	Action	Message
✓ 1	11:27:20	SELECT c.COUNTRY_NAME AS CONT_COUNTRY_NAME,c.POPULATION,c.AREA,P.RATING,P...	15 row(s) returned
✓ 2	11:28:24	SELECT C.COUNTRY_NAME AS CONT_COUNTRY_NAME,C.POPULATION,P.COUNTRY_NAME ...	12 row(s) returned
✓ 3	11:29:43	SELECT C.COUNTRY_NAME AS CONT_COUNTRY_NAME,C.POPULATION AS CONT_POPULATI...	12 row(s) returned

(2)LIST ALL DISTINCT COUNTRY NAMES FROM BOTH THE COUNTRY AND PERSONS TABLES.

SELECT DISTINCT COUNTRY_NAME FROM COUNTRY;

15 • SELECT DISTINCT COUNTRY_NAME FROM COUNTRY;
16

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

	COUNTRY_NAME
▶	SINGAPORE
	INDONESIA
	USA
	ROME
	TANZANIA
	KENYA
	UK
	CANADA
	AUSTRALIA
	INDIA

COUNTRY 15 ×

Output

Action Output

#	Time	Action	Message
✓ 1	11:27:20	SELECT c.COUNTRY_NAME AS CONT_COUNTRY_NAME,c.POPULATION,c.AREA,P.RATING,P....	15 row(s) returned
✓ 2	11:28:24	SELECT C.COUNTRY_NAME AS CONT_COUNTRY_NAME,C.POPULATION,P.COUNTRY_NAME ...	12 row(s) returned
✓ 3	11:29:43	SELECT C.COUNTRY_NAME AS CONT_COUNTRY_NAME,C.POPULATION AS CONT_POPULATI...	12 row(s) returned
✓ 4	11:30:31	SELECT DISTINCT COUNTRY_NAME FROM COUNTRY LIMIT 0, 1000	10 row(s) returned

SELECT DISTINCT COUNTRY_NAME FROM PERSONS;

17 • SELECT DISTINCT COUNTRY_NAME FROM PERSONS;
18

Result Grid Filter Rows: Export: Wrap Cell Content:

	COUNTRY_NAME
▶	SINGAPORE
	USA
	UK
	CANADA
	INDIA
	AUSTRALIA
	TANZANIA

PERSONS 16 ×

Output

Action Output ▼

#	Time	Action	Message
✓ 1	11:27:20	SELECT c.COUNTRY_NAME AS CONT_COUNTRY_NAME,c.POPULATION,c.AREA,P.RATING,P....	15 row(s) returned
✓ 2	11:28:24	SELECT C.COUNTRY_NAME AS CONT_COUNTRY_NAME,C.POPULATION,P.COUNTRY_NAME ...	12 row(s) returned
✓ 3	11:29:43	SELECT C.COUNTRY_NAME AS CONT_COUNTRY_NAME,C.POPULATION AS CONT_POPULATI...	12 row(s) returned
✓ 4	11:30:31	SELECT DISTINCT COUNTRY_NAME FROM COUNTRY LIMIT 0, 1000	10 row(s) returned
✓ 5	11:32:02	SELECT DISTINCT COUNTRY_NAME FROM PERSONS LIMIT 0, 1000	7 row(s) returned

(3) LIST ALL COUNTRY NAMES FROM BOTH THE COUNTRY AND PERSONS TABLES, INCLUDING DUPLICATES.

SELECT COUNTRY_NAME FROM COUNTRY;

19 • SELECT COUNTRY_NAME FROM COUNTRY;
20 • SELECT COUNTRY_NAME FROM PERSONS;
21

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

	COUNTRY_NAME
▶	SINGAPORE
	INDONESIA
	USA
	ROME
	TANZANIA
	KENYA
	UK
	CANADA
	AUSTRALIA
	INDIA

COUNTRY 18 x

Output

Action Output

#	Time	Action	Message
✓ 1	11:33:26	SELECT COUNTRY_NAME FROM COUNTRY LIMIT 0, 1000	10 row(s) returned

SELECT COUNTRY_NAME FROM PERSONS;

20 • SELECT COUNTRY_NAME FROM PERSONS;

21

22 • SELECT ROUND(rating) FROM persons;

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

	COUNTRY_NAME
▶	SINGAPORE
	USA
	USA
	UK
	CANADA
	INDIA
	AUSTRALIA
	TANZANIA
	TANZANIA
	UK
	USA
	USA

PERSONS 19 x

Output

Action Output

#	Time	Action	Message
✓ 1	11:33:26	SELECT COUNTRY_NAME FROM COUNTRY LIMIT 0, 1000	10 row(s) returned
✓ 2	11:33:56	SELECT COUNTRY_NAME FROM PERSONS LIMIT 0, 1000	12 row(s) returned

4)ROUND THE RATINGS OF ALL PERSONS TO THE NEAREST INTEGER IN THE PERSONS TABLE.

SELECT ROUND(RATING) FROM PERSONS;

22 • SELECT ROUND(rating) FROM persons;

Result Grid Filter Rows: Export: Wrap Cell Content:

	ROUND(rating)
▶	5
	8
	3
	8
	8
	4
	8
	3
	4
	8
	8
	8

Result 23 x

Output

Action Output ▼

#	Time	Action	Message
✓ 1	11:35:34	SELECT ROUND(rating) FROM persons LIMIT 0, 1000	12 row(s) returned