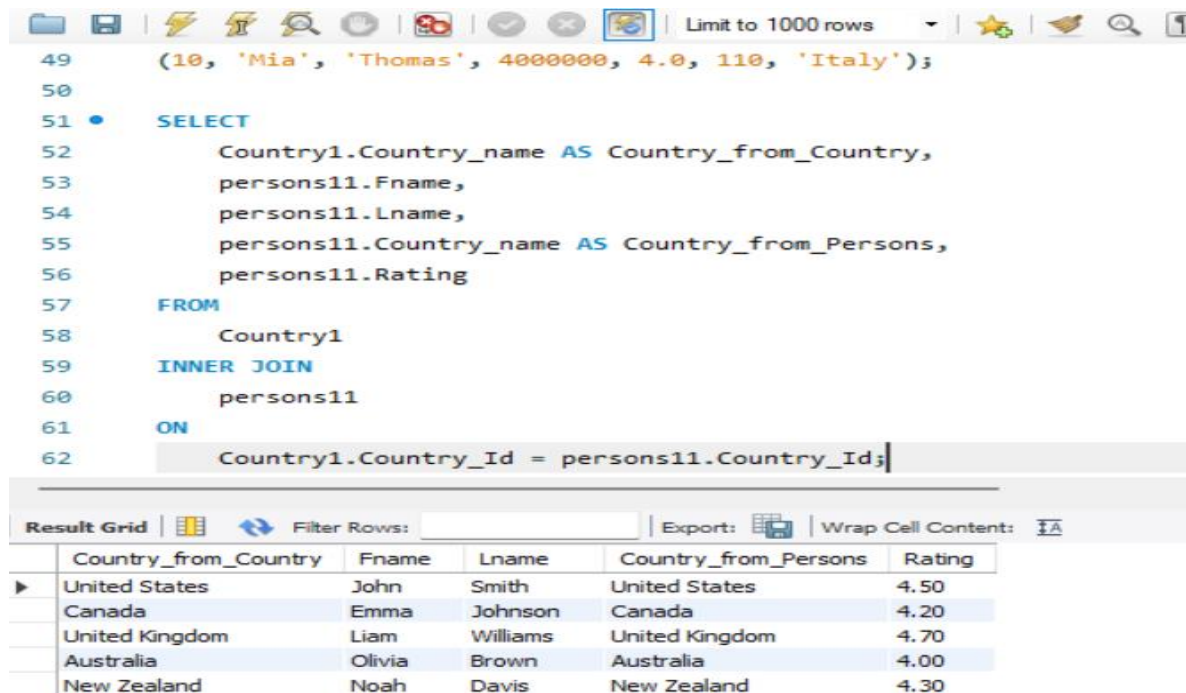


## Inner Join



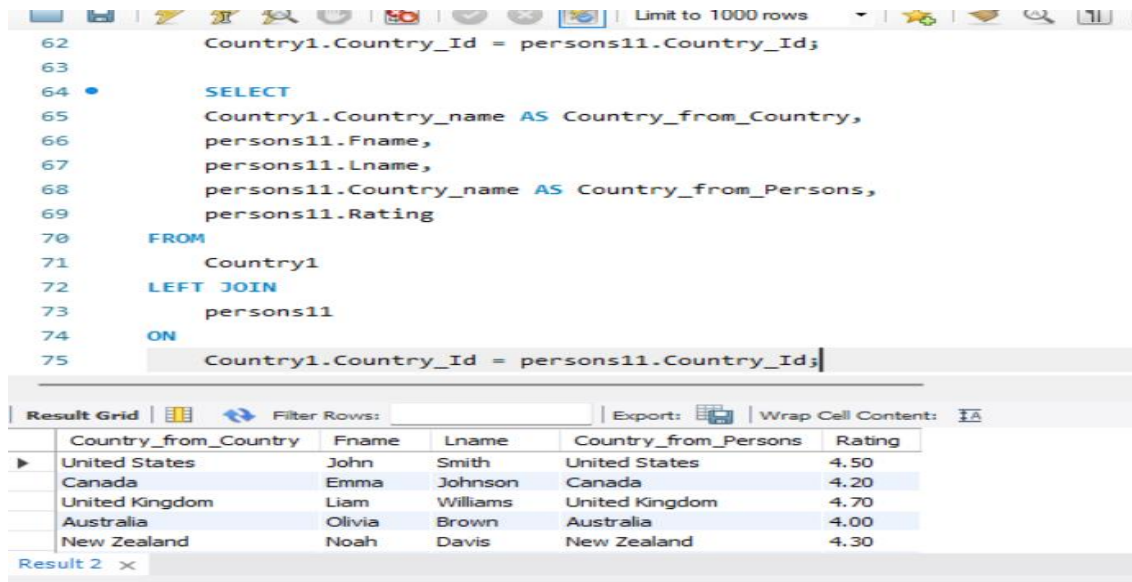
The screenshot shows a SQL IDE interface. At the top, there is a toolbar with various icons and a dropdown menu set to 'Limit to 1000 rows'. Below the toolbar, a SQL query is entered in a text area. The query is an inner join between 'Country1' and 'persons11' on the 'Country\_Id' column. The query text is as follows:

```
49      (10, 'Mia', 'Thomas', 4000000, 4.0, 110, 'Italy');
50
51  •   SELECT
52      Country1.Country_name AS Country_from_Country,
53      persons11.Fname,
54      persons11.Lname,
55      persons11.Country_name AS Country_from_Persons,
56      persons11.Rating
57  FROM
58      Country1
59  INNER JOIN
60      persons11
61  ON
62      Country1.Country_Id = persons11.Country_Id;
```

Below the query editor, the 'Result Grid' is displayed. It shows the results of the inner join query. The grid has five columns: 'Country\_from\_Country', 'Fname', 'Lname', 'Country\_from\_Persons', and 'Rating'. The results are as follows:

Country_from_Country	Fname	Lname	Country_from_Persons	Rating
United States	John	Smith	United States	4.50
Canada	Emma	Johnson	Canada	4.20
United Kingdom	Liam	Williams	United Kingdom	4.70
Australia	Olivia	Brown	Australia	4.00
New Zealand	Noah	Davis	New Zealand	4.30

## Left Join



The screenshot shows a SQL IDE interface. At the top, there is a toolbar with various icons and a dropdown menu set to 'Limit to 1000 rows'. Below the toolbar, a SQL query is entered in a text area. The query is a left join between 'Country1' and 'persons11' on the 'Country\_Id' column. The query text is as follows:

```
62      Country1.Country_Id = persons11.Country_Id;
63
64  •   SELECT
65      Country1.Country_name AS Country_from_Country,
66      persons11.Fname,
67      persons11.Lname,
68      persons11.Country_name AS Country_from_Persons,
69      persons11.Rating
70  FROM
71      Country1
72  LEFT JOIN
73      persons11
74  ON
75      Country1.Country_Id = persons11.Country_Id;
```

Below the query editor, the 'Result Grid' is displayed. It shows the results of the left join query. The grid has five columns: 'Country\_from\_Country', 'Fname', 'Lname', 'Country\_from\_Persons', and 'Rating'. The results are as follows:

Country_from_Country	Fname	Lname	Country_from_Persons	Rating
United States	John	Smith	United States	4.50
Canada	Emma	Johnson	Canada	4.20
United Kingdom	Liam	Williams	United Kingdom	4.70
Australia	Olivia	Brown	Australia	4.00
New Zealand	Noah	Davis	New Zealand	4.30

At the bottom of the screenshot, there is a tab labeled 'Result 2' with a close button (X).

## Right Join

```
75      Country1.Country_Id = persons11.Country_Id;
76
77 •    SELECT
78      Country1.Country_name AS Country_from_Country,
79      persons11.Fname,
80      persons11.Lname,
81      persons11.Country_name AS Country_from_Persons,
82      persons11.Rating
83  FROM
84      Country1
85  RIGHT JOIN
86      persons11
87  ON
88      Country1.Country_Id = persons11.Country_Id;
```

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

	Country_from_Country	Fname	Lname	Country_from_Persons	Rating
▶	United States	John	Smith	United States	4.50
	Canada	Emma	Johnson	Canada	4.20
	United Kingdom	Liam	Williams	United Kingdom	4.70
	Australia	Olivia	Brown	Australia	4.00
	New Zealand	Noah	Davis	New Zealand	4.30

Result 3 x

## All Distinct Country Names from Both the Country1 and persons11 Tables

```
83  FROM
84      Country1
85  RIGHT JOIN
86      persons11
87  ON
88      Country1.Country_Id = persons11.Country_Id;
89
90 •  SELECT DISTINCT Country_name
91  FROM
92      Country1
93  UNION
94  SELECT DISTINCT Country_name
95  FROM
96      persons11;
```

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

	Country_name
▶	United States
	Canada
	United Kingdom
	Australia
	New Zealand

## All Country Names from Both the Country1 and persons11 Tables, Including Duplicates

```
91 FROM
92     Country1
93 UNION
94 SELECT DISTINCT Country_name
95 FROM
96     persons11;
97
98 • SELECT Country_name
99 FROM
100     Country1
101 UNION ALL
102 SELECT Country_name
103 FROM
104     persons11;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: [IA](#)

Country_name
United States
Canada
United Kingdom
Australia
New Zealand

## Round the Ratings of All Persons to the Nearest Integer in the persons11 Table

```
102 SELECT Country_name
103 FROM
104     persons11;
105
106 • SELECT
107     Id,
108     Fname,
109     Lname,
110     Population,
111     ROUND(Rating) AS Rounded_Rating,
112     Country_Id,
113     Country_name
114 FROM
115     persons11;
```

Limit to 1000 rows

Result Grid | Filter Rows: | Export: | Wrap Cell Content: [IA](#)

	Id	Fname	Lname	Population	Rounded_Rating	Country_Id	Country_name
▶	1	John	Smith	5000000	5	101	United States
	2	Emma	Johnson	3500000	4	102	Canada
	3	Liam	Williams	8500000	5	103	United Kingdom
	4	Olivia	Brown	2500000	4	104	Australia
	5	Noah	Davis	4500000	4	105	New Zealand

Result 6 x