

```

96 -- syntax inner join
97
98 • SELECT P.Id AS Person_Id, P.Fname, P.Lname, P.Rating, C.Country_name
99 FROM Persons_1 AS P
100 INNER JOIN Country_1 AS C ON P.Country_Id = C.Id;
101
102 • SELECT P.Id AS Person_Id, P.Fname, P.Lname, P.Rating, C.Country_name
103 FROM Persons_1 AS P
104 left JOIN Country_1 AS C ON P.Country_Id = C.Id;
105

```

Result Grid Filter Rows: Export: Wrap Cell Content: Fetch rows:

	Person_Id	Fname	Lname	Rating	Country_name
1	John	Doe	4.50	USA	
2	Jane	Smith	3.90	USA	
3	Raj	Kumar	4.10	India	
4	Ling	Wei	4.70	China	
5	Carlos	Mendez	3.50	Brazil	
6	Yuri	Ivanov	4.00	Russia	
7	Hiro	Tanaka	4.60	Japan	
8	Hans	Muller	3.80	Germany	
9	Emily	Clark	4.20	UK	
10	Pierre	Dumont	3.00	France	

Result 4

Output

Action Output

#	Time	Action	Message
12	21:33:01	use employee_1	0 row(s) affected
13	21:34:35	desc country_1	4 row(s) returned
14	21:35:40	desc persons_1	7 row(s) returned
15	21:41:06	SELECT P.Id AS Person_Id, P.Fname, P.Lname, P.Rating, C.Country_name FROM Persons_1 AS P INNER J...	10 row(s) returned
16	21:42:28	SELECT P.Id AS Person_Id, P.Fname, P.Lname, P.Rating, C.Country_name FROM Persons_1 AS P left JOIN ...	10 row(s) returned

```

104 • SELECT P.Id AS Person_Id, P.Fname, P.Lname, P.Rating, C.Country_name
105 FROM Persons_1 AS P
106 left JOIN Country_1 AS C ON P.Country_Id = C.Id;
107
108 -- syntax right join
109
110 • SELECT P.Id AS Person_Id, P.Fname, P.Lname, P.Rating, C.Country_name
111 FROM Persons_1 AS P
112 left JOIN Country_1 AS C ON P.Country_Id = C.Id;
113

```

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

	Person_Id	Fname	Lname	Rating	Country_name
1	John	Doe	4.50	USA	
2	Jane	Smith	3.90	USA	
3	Raj	Kumar	4.10	India	
4	Ling	Wei	4.70	China	
5	Carlos	Mendez	3.50	Brazil	
6	Yuri	Ivanov	4.00	Russia	
7	Hiro	Tanaka	4.60	Japan	
8	Hans	Muller	3.80	Germany	
9	Emily	Clark	4.20	UK	
10	Pierre	Dumont	3.00	France	

Result 5 x

Output

Action Output

#	Time	Action	Message
13	21:34:35	desc country_1	4 row(s) returned
14	21:35:40	desc persons_1	7 row(s) returned
15	21:41:06	SELECT P.Id AS Person_Id, P.Fname, P.Lname, P.Rating, C.Country_name FROM Persons_1 AS P INNER J...	10 row(s) returned
16	21:42:28	SELECT P.Id AS Person_Id, P.Fname, P.Lname, P.Rating, C.Country_name FROM Persons_1 AS P left JOIN ...	10 row(s) returned
17	21:44:29	SELECT P.Id AS Person_Id, P.Fname, P.Lname, P.Rating, C.Country_name FROM Persons_1 AS P left JOIN ...	10 row(s) returned

```

108 -- syntax right join
109
110 • SELECT P.Id AS Person_Id, P.Fname, P.Lname, P.Rating, C.Country_name
111 FROM Persons_1 AS P
112 left JOIN Country_1 AS C ON P.Country_Id = C.Id;
113
114 • select distinct country_name from country_1
115 union
116 select distinct country_name from persons_1 ;
117

```

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

country_name
USA
India
China
Brazil
Russia
Japan
Germany
UK
France
Canada

Result 6 x

Output

Action Output

#	Time	Action	Message
✓ 14	21:35:40	desc persons_1	7 row(s) returned
✓ 15	21:41:06	SELECT P.Id AS Person_Id, P.Fname, P.Lname, P.Rating, C.Country_name FROM Persons_1 AS P INNER J...	10 row(s) returned
✓ 16	21:42:28	SELECT P.Id AS Person_Id, P.Fname, P.Lname, P.Rating, C.Country_name FROM Persons_1 AS P left JOIN ...	10 row(s) returned
✓ 17	21:44:29	SELECT P.Id AS Person_Id, P.Fname, P.Lname, P.Rating, C.Country_name FROM Persons_1 AS P left JOIN ...	10 row(s) returned
✓ 18	21:47:07	select distinct country_name from country_1 union select distinct country_name from persons_1	10 row(s) returned



```

112 left JOIN Country_1 AS C ON P.Country_Id = C.Id;
113
114 • select distinct country_name from country_1
115 union
116 select distinct country_name from persons_1 ;
117
118 • select country_name from country_1
119 union all
120 select country_name from persons_1 ;
121

```

Result Grid Filter Rows: Export: Wrap Cell Content:

country_name
USA
India
China
Brazil
Russia
Japan
Germany
UK
France
Canada

Result 7

Output

Action Output

#	Time	Action	Message
✓ 15	21:41:06	SELECT P.Id AS Person_Id, P.Fname, P.Lname, P.Rating, C.Country_name FROM Persons_1 AS P INNER J...	10 row(s) returned
✓ 16	21:42:28	SELECT P.Id AS Person_Id, P.Fname, P.Lname, P.Rating, C.Country_name FROM Persons_1 AS P left JOIN ...	10 row(s) returned
✓ 17	21:44:29	SELECT P.Id AS Person_Id, P.Fname, P.Lname, P.Rating, C.Country_name FROM Persons_1 AS P left JOIN ...	10 row(s) returned
✓ 18	21:47:07	select distinct country_name from country_1 union select distinct country_name from persons_1	10 row(s) returned
✓ 19	21:49:02	select country_name from country_1 union all select country_name from persons_1	22 row(s) returned

```

114 • select distinct country_name from country_1
115 union
116 select distinct country_name from persons_1 ;
117
118 • select country_name from country_1
119 union all
120 select country_name from persons_1 ;
121
122 • select id,fname,lname ,round(rating) as rounded_rating from persons_1 ;
123

```

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

	id	fname	lname	rounded_rating
▶	1	John	Doe	5
	2	Jane	Smith	4
	3	Raj	Kumar	4
	4	Ling	Wei	5
	5	Carlos	Mendez	4
	6	Yuri	Ivanov	4
	7	Hiro	Tanaka	5
	8	Hans	Muller	4
	9	Emily	Clark	4
	10	Pierre	Dumont	4

Result 8 x

Output

Action Output

#	Time	Action	Message
✓ 16	21:42:28	SELECT P.Id AS Person_Id, P.Fname, P.Lname, P.Rating, C.Country_name FROM Persons_1 AS P left JOIN ...	10 row(s) returned
✓ 17	21:44:29	SELECT P.Id AS Person_Id, P.Fname, P.Lname, P.Rating, C.Country_name FROM Persons_1 AS P left JOIN ...	10 row(s) returned
✓ 18	21:47:07	select distinct country_name from country_1 union select distinct country_name from persons_1	10 row(s) returned
✓ 19	21:49:02	select country_name from country_1 union all select country_name from persons_1	22 row(s) returned
✓ 20	21:51:43	select id,fname,lname ,round(rating) as rounded_rating from persons_1 LIMIT 0, 10	10 row(s) returned

```

92
93 • desc country_1 ;
94 • desc persons_1 ;
95
96 -- syntax inner join
97
98 • SELECT P.Id AS Person_Id, P.Fname, P.Lname, P.Rating, C.Country_name
99 FROM Persons_1 AS P
100 INNER JOIN Country_1 AS C ON P.Country_Id = C.Id;
101

```

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

	Person_Id	Fname	Lname	Rating	Country_name
1	1	John	Doe	4.50	USA
2	2	Jane	Smith	3.90	USA
3	3	Raj	Kumar	4.10	India
4	4	Ling	Wei	4.70	China
5	5	Carlos	Mendez	3.50	Brazil
6	6	Yuri	Ivanov	4.00	Russia
7	7	Hiro	Tanaka	4.60	Japan
8	8	Hans	Muller	3.80	Germany
9	9	Emily	Clark	4.20	UK
10	10	Pierre	Dumont	3.00	France

Result 3 x

Output

Action Output

#	Time	Action	Message
11	21:31:12	select c.id as country_id,c.country_name,c.population,c.area,p.id as persons_id, p.Fname as persons_fname,p...	Error Code: 1054. Unknown column 'persons_country_id' in 'on clause'
12	21:33:01	use employee_1	0 row(s) affected
13	21:34:35	desc country_1	4 row(s) returned
14	21:35:40	desc persons_1	7 row(s) returned
15	21:41:06	SELECT P.Id AS Person_Id, P.Fname, P.Lname, P.Rating, C.Country_name FROM Persons_1 AS P INNER J...	10 row(s) returned