ASSIGNMENT _6 MYSQL

Joins and Union

```sql
37    -- a) INNER JOIN
38 •  select country.*,persons.*
39    from country inner join persons on country.Id=persons.Id;
40
```

Result Grid | ▦ | ⟲ Filter Rows: [   ] | Export: ▤ | Wrap Cell Content: 𝐼A

Id	Country_Name	Population	Area	id	Fname	Lname	Population	Rating	Country_Id	Country_Name
▶ 101	india	1000000000	south asia	101	Mukesh	Ambani	1500000	5.5	IND	India
102	pakisthan	400000000	south asia	102	Rathan	Tata	2000000	5.0	IND	India
103	srilanka	300000000	soth asia	103	MA.Yousuf	Ali	1000000	3.7	IND	India
105	Bangladesh	500000000	south asia	105	Barach	Obama	400000	3.5	USA	United State Of America
107	Kenya	350000000	africa	107	Nicholas	Modo	1000000	6.5	USA	United State Of America
109	France	450000000	western eupersonsorope	109	Kewen	Embeppe	1000000	6.0	CAN	Canada
110	Germany	350000000	central euorope	110	Ricky	Ponding	700000	5.5	AUS	Australia

*SHOWS COMMON ROWS OF BOTH TABLE

```
41        -- b) LEFT JOIN
42 •      select country.*,persons.*
43        from country LEFT join persons on country.Id=persons.Id;
44
```

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

Id	Country_Name	Population	Area	id	Fname	Lname	Population	Rating	Country_Id	Country_Name
101	india	1000000000	south asia	101	Mukesh	Ambani	1500000	5.5	IND	India
102	pakisthan	400000000	south asia	102	Rathan	Tata	2000000	5.0	IND	India
103	srilanka	300000000	soth asia	103	MA.Yousuf	Ali	1000000	3.7	IND	India
104	china	1300000000	south asia	NULL	NULL	NULL	NULL	NULL	NULL	NULL
105	Bangladesh	500000000	south asia	105	Barach	Obama	400000	3.5	USA	United State Of America
106	south africa	60000000	africa	NULL	NULL	NULL	NULL	NULL	NULL	NULL
107	Kenya	350000000	africa	107	Nicholas	Modo	1000000	6.5	USA	United State Of America
108	America	650000000	north america	NULL	NULL	NULL	NULL	NULL	NULL	NULL
109	France	450000000	western eupersonsorope	109	Kewen	Embeppe	1000000	6.0	CAN	Canada
110	Germany	350000000	central euorope	110	Ricky	Ponding	700000	5.5	AUS	Australia

*SHOWS ID COLUMN LEF TABLE COUNTRY ALL ROWS AND SIMILAR ID NO IN TABLE PERSONS.

```
45      -- c) RIGHT JOIN
46  •   select country.*,persons.*
47      from country Right join persons on country.Id=persons.Id;
```

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

Id	Country_Name	Population	Area	id	Fname	Lname	Population	Rating	Country_Id	Country_Name
101	india	Refresh data re-executing the original query		101	Mukesh	Ambani	1500000	5.5	IND	India
102	pakisthan	400000000	south asia	102	Rathan	Tata	2000000	5.0	IND	India
103	srilanka	300000000	soth asia	103	MA.Yousuf	Ali	1000000	3.7	IND	India
105	Bangladesh	500000000	south asia	105	Barach	Obama	400000	3.5	USA	United State Of America
107	Kenya	350000000	africa	107	Nicholas	Modo	1000000	6.5	USA	United State Of America
109	France	450000000	western eupersonsorope	109	Kewen	Embeppe	1000000	6.0	CAN	Canada
110	Germany	350000000	central euorope	110	Ricky	Ponding	700000	5.5	AUS	Australia
NULL	NULL	NULL	NULL	111	Vein	Rooni	750000	6.0	UK	United Kingdom
NULL	NULL	NULL	NULL	112	Max	Well	400000	4.5	NULL	NULL
NULL	NULL	NULL	NULL	115	Laika	Teresa	800000	5.7	CAN	Canada

*SHOWS ID COLUMN RIGHT TABLE PERSONS ALL ROWS AND SIMILAR ID NO IN TABLE COUNTRY.

```
49      -- (2)List all distinct country names from both the Country and Persons tables.
50 ●    select country_name from country
51      union
52      select country_name from persons;
53
54      -- (3)List all country names from both the Country and Persons tables, including duplicates.
```

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

country_name
india
pakisthan
srilanka
china
Bangladesh
south africa
Kenya
America
France
Germany
United State ...
Canada
Australia
United Kingdom
NULL

*SHOWS ALL DISTINCT COUNTRY_NAME

```
54        -- (3)List all country names from both the Country and Persons tables, including duplicates.
55  •     select country_name from country
56        union all
57        select country_name from persons;
```

esult Grid | ⊞ | ↻ Filter Rows: [   ] | Export: ⊞ | Wrap Cell Content: IA

country_name
india
pakisthan
srilanka
china
Bangladesh
south africa
Kenya
America
France
Germany
India
India
India
United State Of America
United State Of

*SHOWS ALL COUNTRY _NAME IN BOTH TABLE INCLUDING DUPLICATES

```
59      -- (4)Round the ratings of all persons to the nearest integer in the Persons table.
60 •    SELECT fname, lname, ROUND(rating) AS rounded_rating
61      FROM Persons;
```

Result Grid | 🔢 | ⟲ Filter Rows: [   ] | Export: 🖫 | Wrap Cell Content: 🔤

fname	lname	rounded_rating
Mukesh	Ambani	6
Rathan	Tata	5
MA.Yousuf	Ali	4
Barach	Obama	4
Nicholas	Modo	7
Kewen	Embeppe	6
Ricky	Ponding	6
Vein	Rooni	6
Max	Well	5
Laika	Teresa	6

*SHOWS RATING CHANGE DECIMAL INTO ROUNDED FIGURE FROM PERSONS TABLE