

Question-1

INPUT

TABLE 1

ID
1
1
2
NULL
NULL

TABLE 2

ID
1
3
NULL

```
create table tbl1
```

```
(
```

```
id int
```

```
);
```

```
insert into tbl1 values(1),(1),(2),(NULL),(NULL);
```

```
select * from tbl1
```

```
create table tbl2
```

```
(
```

```
id int
```

```
);
```

```
insert into tbl2 values(1),(3),(NULL);
```

```
select * from tbl2
```

```
select * from tbl1 inner join tbl2 on tbl1.id=tbl2.id
```

Result Grid		
Filter Rows:	Export:	Wrap Cell Content:
id	id	
1	1	
1	1	

select * from tbl1 left join tbl2 on tbl1.id=tbl2.id

	id	id
▶	1	1
	1	1
	2	NULL
	NULL	NULL
	NULL	NULL

select * from tbl1 right join tbl2 on tbl1.id=tbl2.id

	id	id
▶	1	1
	1	1
	NULL	3
	NULL	NULL

-----Full Outer join is not support in MySQL but we can use with the combination of them-----

SELECT * FROM tbl1

LEFT JOIN tbl2 ON tbl1.id = tbl2.id

UNION ALL

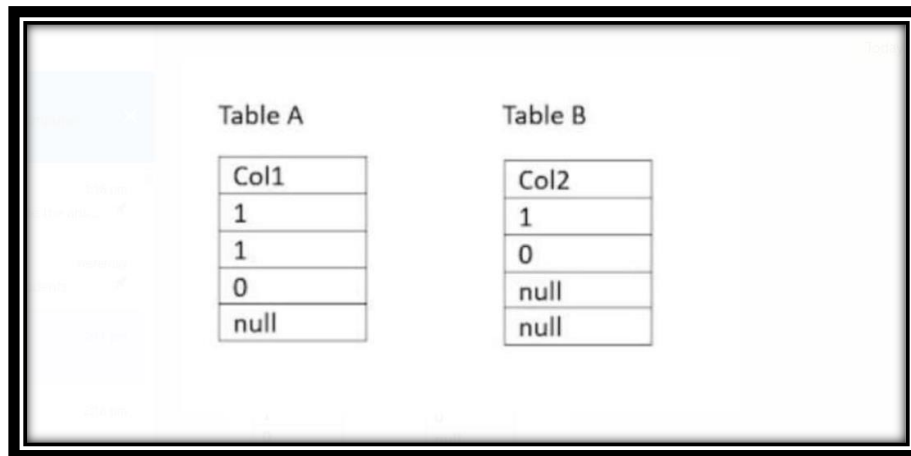
SELECT * FROM tbl1

RIGHT JOIN tbl2 ON tbl1.id = tbl2.id

WHERE tbl1.id IS NULL

	id	id
▶	1	1
	1	1
	2	NULL
	NULL	NULL
	NULL	NULL
	NULL	3
	NULL	NULL

Question-2



The screenshot shows a database interface with two tables, Table A and Table B. Table A has a column named Col1 with values 1, 1, 0, and null. Table B has a column named Col2 with values 1, 0, null, and null.

Col1
1
1
0
null

Col2
1
0
null
null

```
create table t1
```

```
(
```

```
id int
```

```
);
```

```
insert into t1 values(1),(1),(0),(NULL);
```

```
select * from t1
```

```
create table t2
```

```
(
```

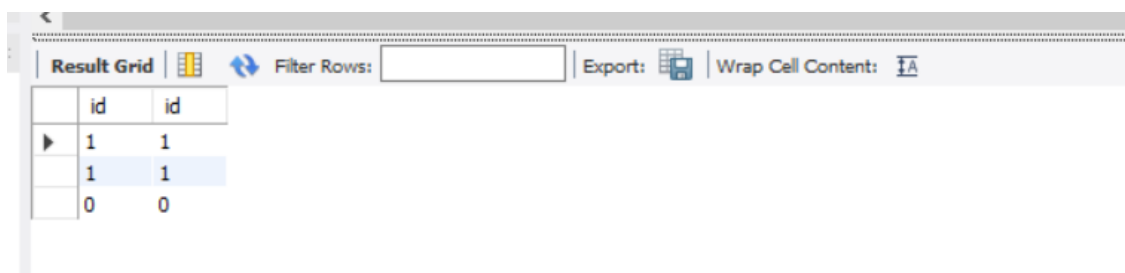
```
id int
```

```
);
```

```
insert into t2 values(1),(0),(NULL),(NULL);
```

```
select * from t2
```

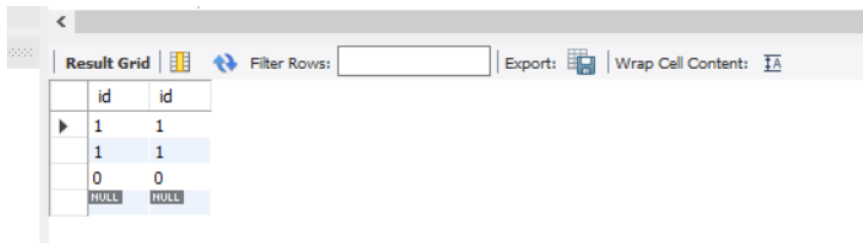
```
select * from t1 inner join t2 on t1.id=t2.id
```



The screenshot shows the result grid of the inner join query. The result grid has two columns, both labeled 'id'. The data rows are (1, 1), (1, 1), and (0, 0).

	id	id
▶	1	1
	1	1
	0	0

select * from t1 left join t2 on t1.id=t2.id



	id	id
▶	1	1
	1	1
	0	0
	NULL	NULL

select * from t1 right join t2 on t1.id=t2.id



	id	id
▶	1	1
	1	1
	0	0
	NULL	NULL
	NULL	NULL

SELECT * FROM t1

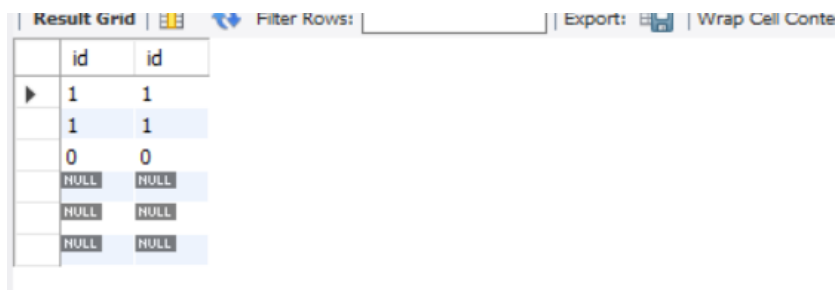
LEFT JOIN t2 ON t1.id = t2.id

UNION ALL

SELECT * FROM t1

RIGHT JOIN t2 ON t1.id = t2.id

WHERE t1.id IS NULL



	id	id
▶	1	1
	1	1
	0	0
	NULL	NULL
	NULL	NULL
	NULL	NULL

Question-3

ID	ID
1	1
1	0
1	1
1	0

```
create table tt1
```

(

id int

$$);$$

```
insert into tt1 values(1),(1),(1),(1);
```

```
select * from tt1
```

```
create table tt2
```

(

```
id int
```

$$);$$

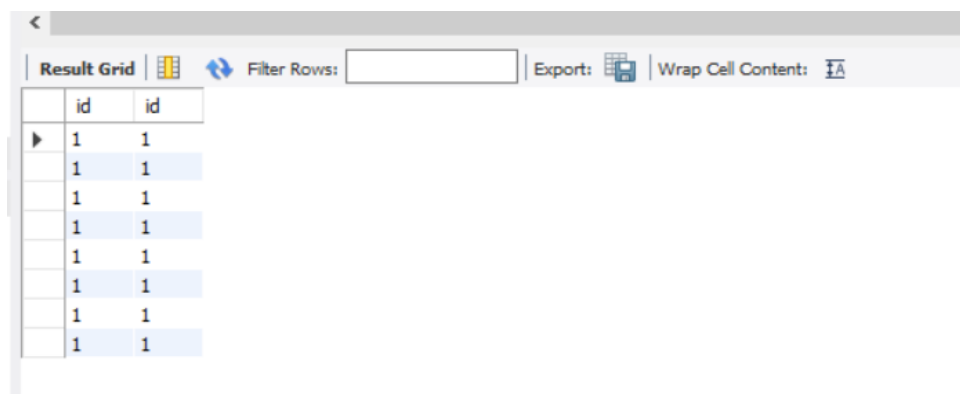
```
insert into tt2 values(1),(0),(1),(0);
```

```
select * from tt2
```

```
select * from tt1 inner join tt2 on tt1.id=tt2.id
```

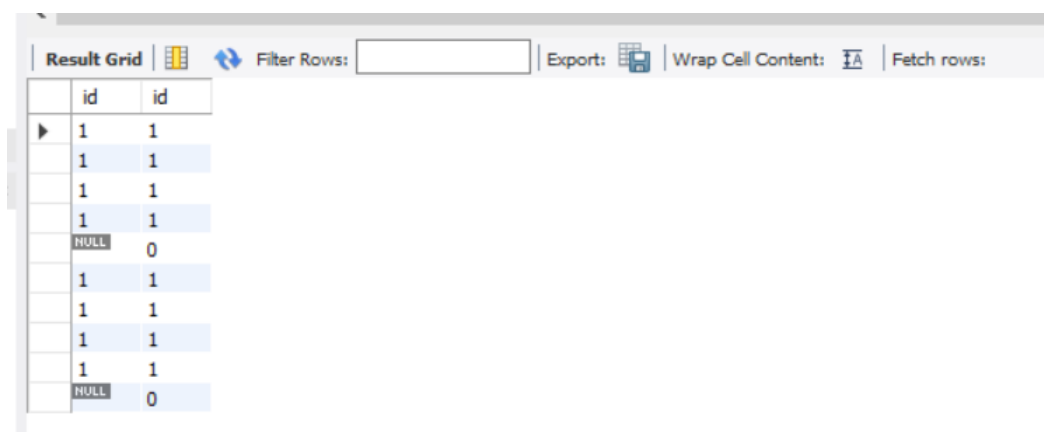
[illegible]

select * from tt1 left join tt2 on tt1.id=tt2.id



	id	id
▶	1	1
	1	1
	1	1
	1	1
	1	1
	1	1
	1	1
	1	1

select * from tt1 right join tt2 on tt1.id=tt2.id



	id	id
▶	1	1
	1	1
	1	1
	1	1
	1	1
	NULL	0
	1	1
	1	1
	1	1
	1	1
	NULL	0

SELECT * FROM tt1

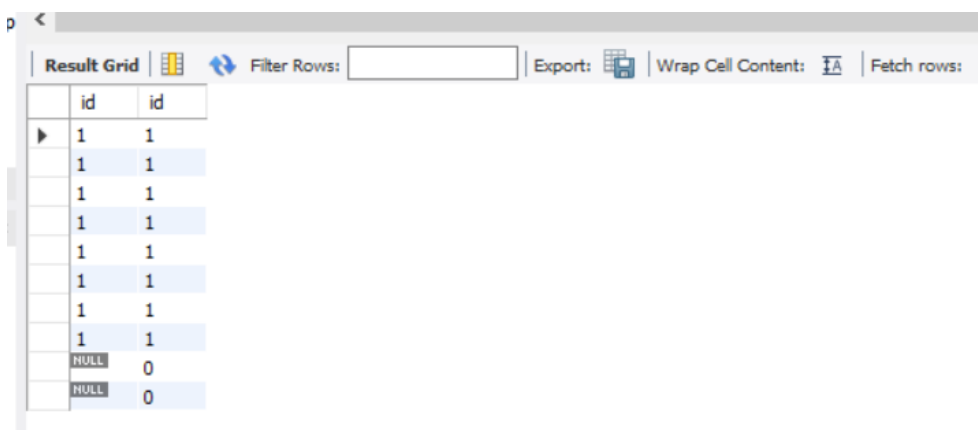
LEFT JOIN tt2 ON tt1.id = tt2.id

UNION ALL

SELECT * FROM tt1

RIGHT JOIN tt2 ON tt1.id = tt2.id

WHERE tt1.id IS NULL



	id	id
▶	1	1
	1	1
	1	1
	1	1
	1	1
	1	1
	1	1
	1	1
	NULL	0
	1	1
	1	1
	NULL	0