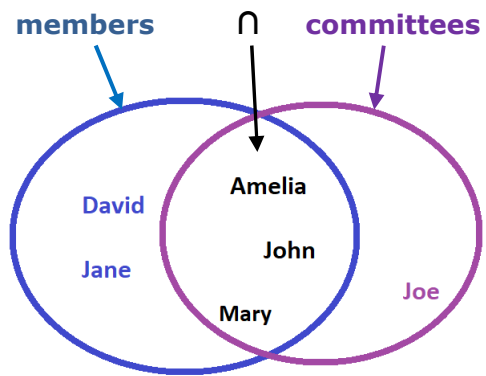


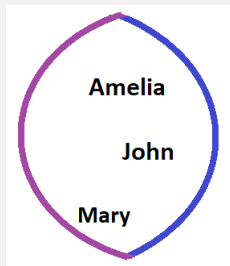
```
SELECT *
FROM members
```

member_id	name
5	Amelia
4	David
2	Jane
1	John
3	Mary
NULL	NULL



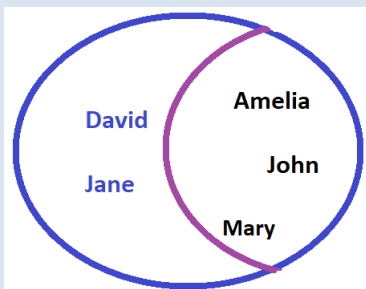
```
SELECT *
FROM committees
```

committee_id	name
3	Amelia
4	Joe
1	John
2	Mary
NULL	NULL



member_id	nameM	committee_id	nameC
5	Amelia	3	Amelia
1	John	1	John
3	Mary	2	Mary

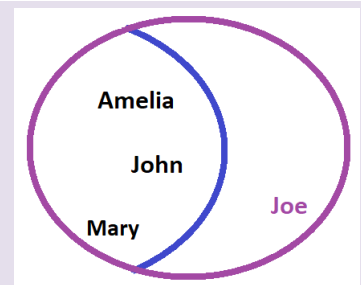
```
SELECT member_id, M.name AS nameM ,
       committee_id , C.name AS nameC
FROM members M INNER JOIN committees C
ON M.name = C.name
ORDER BY nameM; -- oppure nameC, è indifferente per INNER JOIN
```



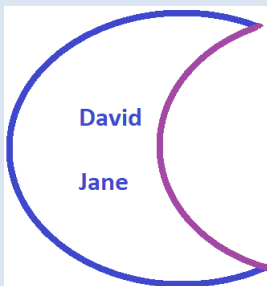
member_id	nameM	committee_id	nameC
5	Amelia	3	Amelia
4	David	NULL	NULL
2	Jane	NULL	NULL
1	John	1	John
3	Mary	2	Mary

```
SELECT member_id, M.name AS nameM ,
       committee_id , C.name AS nameC
FROM members M LEFT JOIN committees C
USING ( name )
ORDER BY nameM;
```

member_id	nameM	committee_id	nameC
5	Amelia	3	Amelia
NULL	NULL	4	Joe
1	John	1	John
3	Mary	2	Mary



```
SELECT member_id, M.name AS nameM ,
       committee_id , C.name AS nameC
FROM members M RIGHT JOIN committees C
USING ( name )
ORDER BY nameC;
```



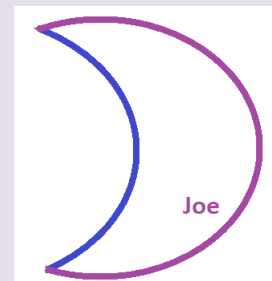
name presenti in **members** ma **assenti** in **committees**

member_id	nameM	committee_id	nameC
4	David	NULL	NULL
2	Jane	NULL	NULL

```
SELECT member_id,      M.name AS nameM ,
       committee_id , C.name AS nameC
FROM   members M LEFT JOIN committees C
USING ( name )
WHERE  committee_id IS NULL
ORDER BY nameM;
```

name presenti in **committees** ma **assenti** in **members**

member_id	nameM	committee_id	nameC
NULL	NULL	4	Joe



```
SELECT member_id,      M.name AS nameM ,
       committee_id , C.name AS nameC
FROM   members M RIGHT JOIN committees C
USING ( name )
WHERE  member_id IS NULL
ORDER BY nameC;
```

Creazione database

```
CREATE DATABASE tut;
```

```
USE tut;
```

```
CREATE TABLE members (
  member_id      INT,
  name           VARCHAR(100),
  PRIMARY KEY (member_id)
);
```

```
CREATE TABLE committees (
  committee_id   INT,
  name           VARCHAR(100),
  PRIMARY KEY (committee_id)
);
```

```
INSERT INTO members
VALUES (1, 'John') , (2, 'Jane') , (3, 'Mary') , (4, 'David') , (5, 'Amelia');
```

```
INSERT INTO committees
VALUES (1, 'John') , (2, 'Mary') , (3, 'Amelia') , (4, 'Joe');
```